

A HANDBOOK OF THE
PRISMATIC ASTROLABE

BY

JOHN BALL, O.B.E., D.Sc. (LOND.),

AND

H. KNOX-SHAW, M.A., F.R.A.S.

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See article on combined theodolite and
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Geog J., London, Jan. 1923, pp. 41-44

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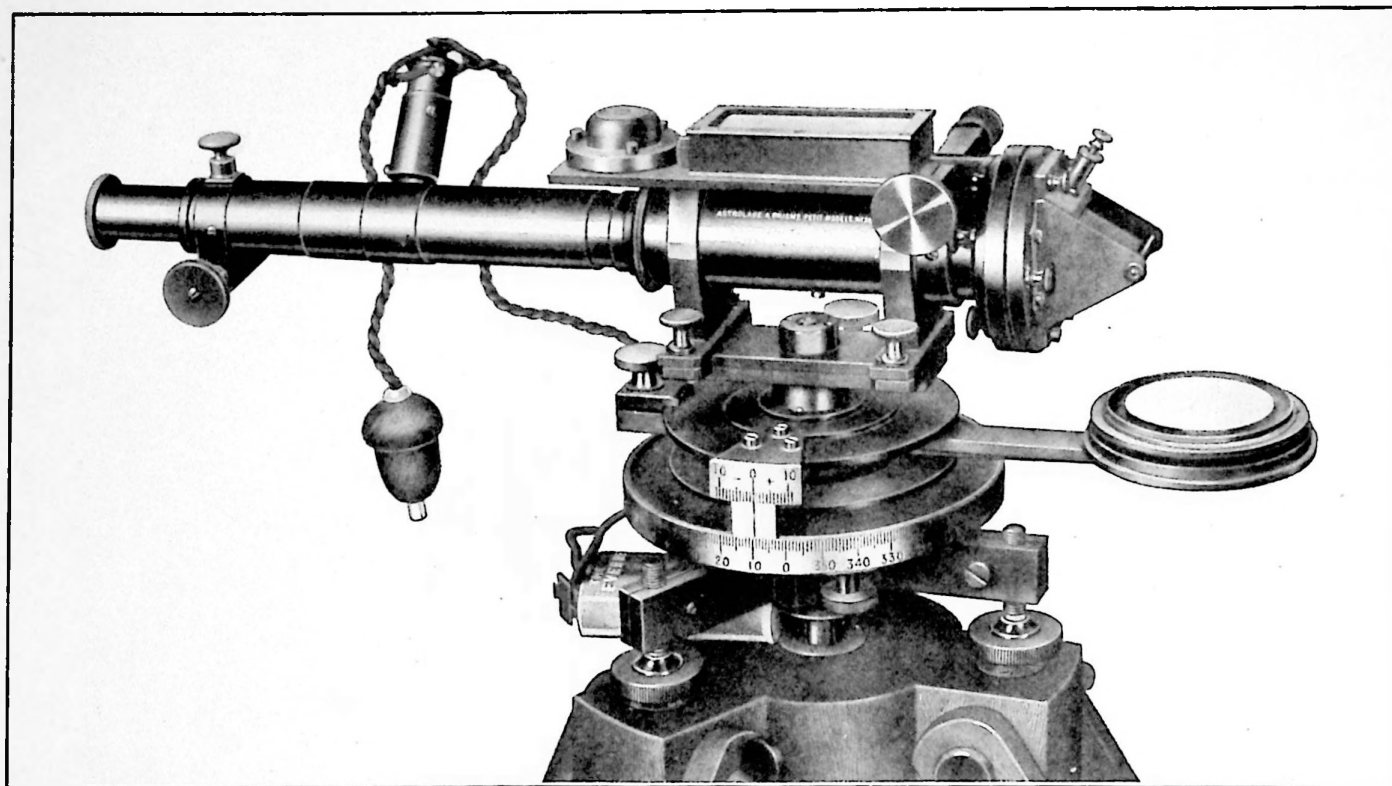
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HANDBOOK OF THE PRISMATIC ASTROLABE.



A
HANDBOOK
OF THE
PRISMATIC ASTROLABE

BEING
A CONCISE AND PRACTICAL GUIDE TO THE EMPLOYMENT OF THE
INSTRUMENT IN THE FIELD, DESIGNED FOR THE USE OF
GEOGRAPHICAL AND HYDROGRAPHICAL SURVEYORS

WITH
STAR-TABLES ADAPTED FOR THE EASY PREPARATION OF
PROGRAMMES OF OBSERVATION IN ANY LATITUDE
FROM 55° NORTH TO 55° SOUTH

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PREFACE.

Our interest in the prismatic astrolabe was first keenly aroused by the perusal of a paper on "The Astrolabe and Wireless," by Col. Woodroffe, R.E., in the "Geographical Journal" of May 1916. We had of course previously known that the instrument had yielded results of great precision in the hands of the French colonial surveyors; but such considerable advances in accuracy had been recently made in Egypt in determining time and latitude with the theodolite by applying to it the principle of equal altitudes, that we were inclined to doubt whether the use of the astrolabe, which is based on the same principle of equal altitudes, would enable results of still higher precision to be obtained. Colonel Woodroffe advocated the use of the astrolabe with great enthusiasm as the result of his experience with it on the Peru-Brazil boundary survey, and his paper was very suggestive, more especially as to the use of the astrolabe in conjunction with wireless time-signals; but it did not decide the question of the relative merits of the astrolabe and theodolite when the method of equal altitudes was employed with the latter instrument. That point could only be settled by comparative trials of the two instruments under field conditions, and we accordingly set ourselves the task of carrying out such trials. In 1916, through the kindness of the Egyptian Government, we procured a small astrolabe from Paris and familiarized ourselves with the working of the instrument. To compensate for any unfairness to the astrolabe through using the small-sized instrument, we made the comparison with a small theodolite of about the same telescopic power, and in every other way we endeavoured to make our comparisons free from prejudice. The results of our trials are briefly summarized in Chapter VI of this book.

The trials left no doubt as to the gain of accuracy by the use of the astrolabe, and it was clearly evident that on surveys where the fixing of a number of isolated positions with the utmost possible precision is the essential object (as happens on boundary surveys and in the astronomical control of triangulation), the astrolabe possesses distinct advantages over every other field-instrument. The use of the astrolabe on ordinary geographical and hydrographical surveys was, however, found to be bound up with some difficulties, of which two were specially marked.

The first of these difficulties was the lack of any book giving an elementary and at the same time fairly full exposition of the theory and construction of the instrument and of its use in the field, more especially of the small model as adapted to ordinary geographical surveys. The French treatise, by the talented inventors of the instrument, MM. Claude and Driencourt, is a fine and scholarly piece of work; but it is concerned with various types of astrolabe and is too abstruse for the ordinary field surveyor.

The second difficulty was the great preliminary labour of preparing programmes of stars for observation. Colonel Woodroffe, who found that it occupied no less than five months of his spare time to prepare star-lists for the three degrees of latitude over which his operations extended, drew attention to this difficulty, and recorded his belief that its abolition by the publication of star-tables for a wide range of latitude would lead to a very much wider application of the astrolabe.

These two difficulties we have set ourselves to remove by the present handbook, to the best of our ability and to the utmost extent which the time at our disposal has permitted. To circumscribe our labours within practicable limits, we have considered only the smallest type of astrolabe, and have included in our star-lists only Nautical Almanac stars of the fourth magnitude and brighter which are observable within the middle 40° of each quadrant; our reasons for selecting these particular limits are given on page 4. There can be no better introduction to the larger types of instrument than practice with the small one; and the star-lists, while they will doubtless need supplementing for refined geodetic work, will yet, we trust, be found sufficient for all ordinary geographical and hydrographical surveys, even where a very considerable degree of precision of result is aimed at.

Incidentally in the course of our investigations we were led to devise a new method for the reduction of observations made with the astrolabe; our method will, we think, be found to present very distinct advantages over that hitherto employed.

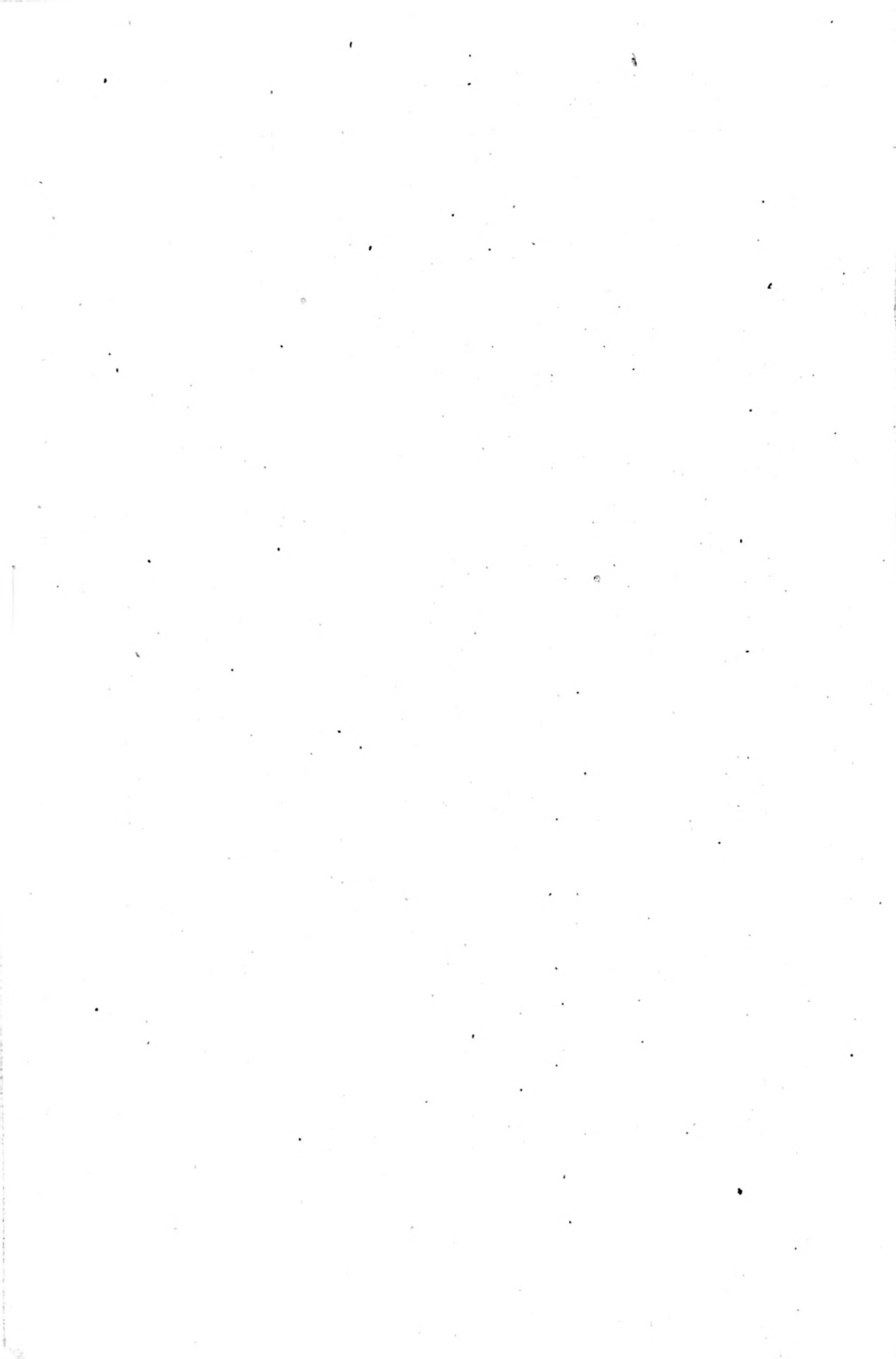
The work of preparing the book and tables has occupied a considerable proportion of our spare time for the last two years, and it was originally our intention to publish the work unofficially as a contribution to progress in geographical measurement. The Egyptian Government has, however, kindly offered to relieve us of the expense of publication, by publishing the book from its own press, as being

a work likely to be of general utility on boundary and other surveys after the war. We desire here to express our gratitude to the Egyptian Government for the encouragement it has given to us during the preparation of the book, and for its public-spirited action in undertaking the publication of a scientific work not specially concerned with Egypt.

It is our earnest hope that this little handbook may help towards an extended application of MM. Claude and Driencourt's ingenious and useful invention. We shall be grateful for any criticisms and suggestions from users of the instrument, either as to our notes on the practice of observation or as to the extent and accuracy of our tables.

Cairo, October 10, 1918.

J. B.
H. K. S.



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HANDBOOK OF THE PRISMATIC ASTROLABE.

CHAPTER I.

INTRODUCTION.

The prismatic astrolabe is an instrument invented by MM. Claude and Driencourt, Member of the French Bureau of Longitudes and Chief Engineer of the Hydrographic Department of the French Admiralty respectively, and made by M. Jobin of Paris. It is designed for the purpose of determining local time and latitude simultaneously with a high degree of precision, and has been used with great success in recent surveys in many parts of the world.

The instrument is made in three sizes, of which the smallest is best adapted for use in ordinary geographical surveys or in shore observations on hydrographic surveys where a precision of about 1" in either geographical coordinate is the degree of accuracy aimed at. In the present handbook this smallest size (the *petit modèle* of M. Jobin, a view of which is shown in the frontispiece) will be specially considered. The use of the larger instruments, yielding results of higher precision, will present no difficulty to anyone accustomed to working with the smallest size of instrument.

A very detailed treatise on the prismatic astrolabe and the manner of its employment in the precise determination of latitude and time is contained in the French work *Description et Usage de l'Astrolabe à Prisme* by MM. Claude and Driencourt.* That treatise is, however, mainly concerned with the use of the larger forms of the instrument for geodetic purposes, and is consequently too mathematical and too detailed for the ordinary geographical or hydrographical surveyor, who must work out his results quickly on the spot and who is not required to determine positions with quite geodetic precision. An excellent short account of the use of the astrolabe in conjunction with wireless time-signals on boundary surveys has been given in a paper by Major (now Colonel) Woodroffe, R.E.† This paper,

* Published by Gauthier-Villars, Paris, 1910.

† "The Astrolabe and Wireless," *Geographical Journal*, XLVII (1916), pp. 345-358.

which is the only description of the use of the astrolabe up to the present existing in English, is most interesting and suggestive, but is too brief to serve as a manual of instruction in the use of the instrument; and moreover, like the French work referred to above, on which it is partly founded, it is concerned mainly with the application of the larger type of astrolabe to precise geodetic work, rather than with the use of the smaller form of the instrument in ordinary geographical and hydrographical surveying.

The present handbook aims at presenting to geographical surveyors, and to hydrographic surveyors who require to make accurate observations ashore, a clear and concise guide to the use of the instrument, with the necessary tables for rapid preparation of programmes of observation in any latitude, and with a description, illustrated by a clearly worked out example, of a much simpler method of computation than that which has hitherto been employed; all being adapted to the degree of precision attainable under the ordinary conditions of geographical exploration and hydrographic survey, and divested of refinements which are of no practical importance under such conditions. At the same time we hope the book will prove of service to surveyors who employ the larger sizes of astrolabe in the more refined geodetic measurements; for the scientific principles underlying the use of the astrolabe, which have been kept in view throughout, are the same for all types of the instrument, and our method of computation is applicable to observations of the highest degree of precision.

The determination of local time and latitude by means of the prismatic astrolabe depends, as in ordinary sextant-observations, on the simultaneous observation of the chronometer-times and altitudes of suitably chosen stars. But with the astrolabe, instead of the different stars being observed at different altitudes, as is commonly done with the sextant, all the observations are made at a fixed and invariable altitude of 60° , so that no circle-readings are required. As with the sextant when used ashore, the observation consists in noting the time at which the direct and reflected images of a star pass each other in the field of view of the instrument; but in the astrolabe the artificial horizon forms part of the instrument itself, instead of being separate. And with the prismatic astrolabe, instead of the line of sight being inclined as with the sextant, all the stars are observed by looking through a horizontal telescope, the observer sitting comfortably in a chair whilst observing.

With the sextant it is usual to make a number of successive observations on each star; but with the astrolabe only a single observation of each star can be made. At first sight this would appear to place the astrolabe at a considerable disadvantage as compared with the sextant; but any weakness of the astrolabe-method arising from the restriction that only a single observation of each star is practicable is counterbalanced by the ease with which a large number of stars can be observed in a short time and by the higher degree of precision of a single astrolabe-observation as compared with one made with a sextant. For in the astrolabe all index-errors, circle-errors, and errors of eccentricity are totally eliminated, while errors due to uncertainty of refraction are rendered so small as to be negligible; and owing to the fact that the observer is freed from all care about circle-readings and consequently is able to concentrate all his attention on the taking of the time, the precision with which the time can be noted is higher with the astrolabe than with the sextant.

Using even the smallest size of astrolabe, a very little practice will enable an observer to determine the time within one-tenth of a second, and the latitude within about 1", by a couple of hours' observation.

The instrument is self-contained and very portable, and the adjustments are few and easily made.

Owing to the circumstance that in astrolabe-observations the telescope remains always horizontal and is not pointed directly at the stars, it is necessary always to prepare a programme of observations beforehand. This can be accomplished in a few minutes by means of the tables given in this book.

The computation of the results is carried out in a special manner, differing considerably from that of ordinary sextant observations, and the final determination of the chronometer-error and latitude is made by a simple graphic construction analogous to that employed in the "new navigation" method of finding a ship's position. When a series of eight stars are observed, as will be the usual practice, the reduction of the results will usually occupy from three to four hours. If desired, practically the whole of the numerical computation may be completed before the observations are taken, leaving only a few minutes' work to be done by the graphic method after the observations have been made.

In the following chapters will be given :—

- (1) A description of the prismatic astrolabe and its adjustments.
- (2) Instructions and tables for making out a programme of observations for any place and time.
- (3) Instructions for observing.
- (4) Instructions for computation, with a worked-out example.
- (5) Remarks on the comparative merits of the astrolabe, sextant, and theodolite as instruments for determining geographical position.

The star-tables, which form a special feature of our work, will, we trust, remove at one stroke what has hitherto been perhaps the greatest obstacle to the employment of the prismatic astrolabe on geographical and hydrographical surveys—the great preliminary labour of preparing programmes of observation. In the preparation of the tables we have been guided by the following considerations :—

1. The stars employed should be chosen from those of which the apparent positions are tabulated at ten-day intervals in one of the national ephemerides, such as the “Nautical Almanac” or the “American Ephemeris,” so that the observer is freed from the labour of reducing apparent positions to date. The “Nautical Almanac” contains the positions of more bright stars (3·5 magnitude and brighter) than the “American Ephemeris,” though the latter has a marked advantage when fainter stars are concerned.* We have confined our tables to stars contained in the “Nautical Almanac,” that being the publication most widely used by British surveyors.

2. Only stars of the fourth magnitude and brighter are suitable for easy observation with the small-sized astrolabe, and we have accordingly confined our tables to stars of this class. When the moon is shining, even stars of the fourth magnitude may be too faint for easy observation, and under such circumstances it may be necessary to confine the programme of observation to stars brighter than 3·5 magnitude; as the magnitudes are given in our tables, it will be easy to make a proper selection.

3. Only stars which cross the altitude-circle of 60° at azimuths within about 20° of the NE., SE., SW., and NW. points of the horizon should as a rule be included in the programme of observation. We have been led to this conclusion partly from a theore-

* The numbers of stars, apart from circumpolars, whose apparent places are tabulated in the two publications for 1918 are :—

	Mag. 3·5 and brighter.	Mag. 4·0 and brighter.
Nautical Almanac... ..	244	310
American Ephemeris	230	370

tical consideration of the astrolabe, and partly from our experience with the instrument. If both the angle of the prism and the refraction at 60° of altitude are accurately known, observation of any *two* stars will determine time and latitude; and it can easily be shown that in this case the azimuths of the two stars should differ by 90° for the greatest accuracy in the result. In general the angle of the prism and the refraction will not be very precisely known, and in that case *three* stars must be observed, the best condition being that the three stars should differ by 120° of azimuth from each other. But if only three stars are observed, only the minimum number of observations necessary for the solution of the problem are taken, and a mistake in any one of the three may be fatal to the result. If we take *four* stars, a mistake in any one of the observations is at once perceived on making the graphic construction for the result; consequently at least four star-observations are desirable at each station. And it can be shown that when four stars are observed, the most favourable condition is that the stars should differ by 90° of azimuth from each other. An ideal arrangement would be to choose four stars, two on the meridian on opposite sides of the zenith, and two on the prime-vertical, likewise on opposite sides of the zenith; the one pair would give us a good latitude, and the other a good time-determination. But here we encounter the great limiting condition of the astrolabe, viz. that the altitude is a fixed quantity of 60° , and only a small number of bright stars will be found to cross the altitude-circle of 60° at azimuths very near to the meridian. By taking stars near the middle of the four quadrants, i.e. as near as possible to the azimuths NE., SE., SW., and NW. we satisfy the theoretical condition of the azimuths being about 90° apart, and at the same time we ensure a sufficiency of stars being available for the observation within a reasonable time of each other. We recommend that whenever possible eight stars should be observed, two in each of the four quadrants, to afford a thorough check on the work of observation. It will usually be found practicable to observe this number of stars without spreading the observation over more than about two or three hours.

As normal limits for our tables we have chosen 20° of deviation from the NE., SE., SW., and NW. azimuths, being desirous of keeping as nearly to the 90° of separation as possible, while maintaining the limits of azimuth sufficiently wide to permit of a fair number of stars being included. The distribution of stars over the

celestial sphere being, however, far from uniform, it will occasionally happen that in a given latitude a considerable interval may elapse without any star of sufficient brightness crossing the 60° altitude-circle within the assigned azimuth-limits. Whenever considerable gaps of this kind have been found to occur, we have endeavoured to bridge over them by including a few stars outside our normal limits. We have also generally carried the tabulation of stars slightly beyond the normal limits of azimuth, in cases where it will be useful for interpolation-purposes in preparing programmes for latitudes intermediate between the round degrees for which the tables are compiled. We have distinguished all stars which lie outside our normal limits of azimuth, but which have been included in our tables for either of the above reasons, by printing them in italics.

The star-tables, which are computed from the apparent positions for 1918, will in course of time need revision, on account of the cumulative changes in apparent position brought about by precession; but these changes occur with such slowness that the utility of our tables for the preparation of programmes of observation will not be sensibly affected for the next ten years or more.

For facilitating reference to the "Nautical Almanac" in finding the apparent places of stars for a given date, we have prepared an index, which will be found on pages 281-282, giving all the stars mentioned in our star-tables in the alphabetical order of their names, with their approximate right-ascensions. A reference to this index will at once indicate the approximate R.A. of any particular star, and the required page of the "Nautical Almanac" (wherein the stars are tabulated in order of R.A.) can then be at once found without any troublesome searching.*

In our calculations for the star-tables, we have made use of the excellent *abaque* of the French Hydrographic Service and of other graphic calculators devised by ourselves, for taking out hour-angles and azimuths. These have saved us a great deal of work, and though the times and azimuths found by the use of graphic methods are a little less precise than would have resulted from rigorous numerical calculation, we believe that the tables are correct to about one minute of time and a single degree of azimuth, which is all that is commonly necessary for the preparation of programmes.

* We have preferred to index the right-ascensions of the stars, rather than the pages of the "Nautical Almanac," in order that the utility of the index may remain unimpaired by any changes which may be made in the pagination of the "Almanac" in future years.

In our method of computing the latitude and time from the observations, we have departed radically from the procedure of MM. Claude and Driencourt, as the result of our experience with the instrument. Instead of assuming the latitude and time to be known and calculating the altitudes, we assume the latitude and altitude to be known and calculate the times; and we then proceed to the graphic construction with differences of time as our basis, instead of differences of altitude. The advantages of our method are, firstly, that the chronometer-error is not required to be known, even to a very moderate degree of approximation, before the computation is commenced; secondly, that the computation is made shorter and easier by avoiding the use of either natural numbers or Gaussian logarithms, requiring in fact no other logarithmic tables than those of the trigonometric functions, such as are carried by every surveyor; and thirdly, that almost all the computation can be done before the observations are taken. Every leader of an exploratory expedition will appreciate the convenience of this last-named feature of our method, for it is frequently desirable to be sure of one's position before commencing the next day's march; and to be able to determine the exact position in a few minutes after the completion of the observations, instead of being under the necessity of making long and laborious computations when mentally fatigued, and consequently specially liable to make mistakes, is a great advantage.

In giving examples of the method of preparing programmes and reducing observations, we have assumed that a mean-time chronometer is employed, as this will most usually be the case on geographical and hydrographical explorations. The surveyor who is provided with a sidereal chronometer will readily see how to shorten the computations somewhat.

CHAPTER II.

DESCRIPTION OF THE PRISMATIC ASTROLABE AND ITS ADJUSTMENTS.

Fundamental Principle of the Prismatic Astrolabe.

The principle of spherical astronomy which is made use of in the astrolabe to determine time and latitude—the principle of equal altitudes—may be stated as follows. *If any three or more stars, of which the apparent places in the heavens are accurately known, are observed to reach the same altitude at times which are noted, then it is possible from the observed times to calculate (1) the altitude at which the stars were observed; (2) the error of the chronometer used on local mean time; and (3) the latitude of the place of observation.* The accuracy of the results will depend largely on the proper selection of stars to be observed.

The utilization of this principle of equal altitudes is not, of course, peculiar to the prismatic astrolabe. It can be made use of with a sextant or theodolite clamped at a fixed altitude. It was in fact utilized in sextant observations so long ago as 1808 by the celebrated astronomer Gauss, to whom we owe the first investigations as to the conditions most favourable to an accurate result;* and it has since been very successfully employed with the theodolite in surveys in Egypt and elsewhere.† But the prismatic astrolabe differs from the sextant and theodolite in that it is specially designed for making use of this equal-altitude principle, and for nothing else; and its construction is such as to give it special advantages over any other instrument for this particular purpose.

For reasons which will become apparent on considering the optical arrangements of the instrument, the prismatic astrolabe is designed for observations at only a single fixed altitude of 60° . At this altitude, it may be remarked, the variations in refraction due to changes of temperature and pressure during the observation are very small and usually negligible.

* CHAUVENET, "Spherical and Practical Astronomy." Philadelphia and London, 1891. Vol. I, p. 280.

† BALL, "Modern Methods of Finding the Latitude with a Theodolite," *Geographical Journal*, XLIX (1917), p. 440.

The essential features of the instrument are shown diagrammatically in Fig. 1. An equilateral glass prism, E, is placed in front of the object-glass of a horizontal astronomical telescope, AA, the back of the prism being normal to the optic axis and the edges of

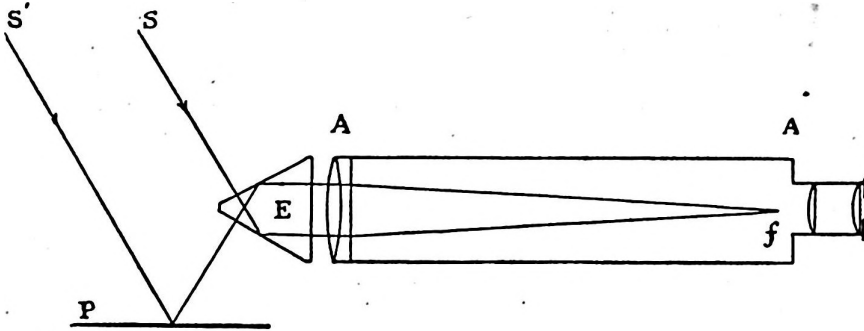


FIG. 1.

the prism being horizontal. At P is an artificial horizon formed by a horizontal mercury surface. Two parallel rays, SS', from a star, one incident on the prism and the other on the mercury surface, will form a pair of images in the plane of the principal focus, f , of the objective, which images will be coincident at the instant when the star's altitude is exactly 60° , but will be separated as the star's altitude differs from 60° . An observer looking through the telescope at a star which is about to pass the altitude-circle of 60° will see two images, which gradually approach and pass each other; and observation of the time at which the images pass each other will give the instant at which the star attains the altitude of 60° .

It will be perceived that the reason for making the angles of the prism 60° is that the rays from the star, both direct and reflected, enter the prism-faces normally; they are then totally reflected within the prism and ultimately leave the back face of the prism, again normally, to enter the telescope. The equilateral form of prism is the only one by which these conditions can be attained. The prism is the vital feature of the prismatic astrolabe, and the performance of the instrument depends almost entirely on the perfection of its workmanship. The faces must be truly plane, in order to give clear and well-defined images, the edges must be parallel, and the angles must be very nearly 60° . So high is the degree of perfection reached by the maker in the optical workmanship of the prism that he can guarantee the instrument to give altitudes constant to within $0''.1$. This does not mean, of course, that the prism-angles are within $0''.1$ of 60° , for it can be shown that, provided the faces

are plane, a deviation of $1'$ from the 60° angle can be permitted without affecting the constancy of altitude by more than $0''.1$. If the working angle of the prism is very slightly greater or less than 60° , the only effect is that the stars will be always observed at an altitude differing slightly from 60° , the altitude being, in fact, equal to 60° —refraction $\pm 1.8a$, where a is the departure of the prism-angle from 60° ; and it is on the *constancy* of the altitude, not on its precise value, that the observation depends. In the particular instrument which we have used in our work in Egypt, the prism-angle is $60^\circ 0' 8''$, and the constant altitude is $60^\circ 0' 14''$ minus the refraction.

It is of course necessary that means should be provided for adjusting the prism into its correct position with regard to the optic axis of the telescope, and that the telescope should be mounted on a vertical axis, with means of rotating it about this axis into the correct azimuth for any star. How the various movements and adjustments have been provided for in the actual working instrument will be evident from the detailed description which follows, and from Fig. 2, which shows the small-size prismatic astrolabe set up on its tripod ready for observation.

Description of the Instrument.

(See Fig. 2.)

Telescope.—The telescope, AA, has an objective twenty-two millimetres (seven-eighths of an inch) in diameter and a magnification of thirty diameters. The focussing is done by means of a screw, C, which moves the eyepiece, ^BE; a small clamping-screw, D, is used to fix the eyepiece when once the focus has been adjusted, thus preventing accidental disturbance of the focus during observation. The telescope with all its attachments is held in a frame which is fixed to the lower part of the instrument by four milled-headed screws, OO, by slackening which it can be detached for packing in its case. The eyepiece, B, can be removed and replaced by the auto-collimator, Z, when adjusting the instrument.

Prism.—The prism, E, measuring thirty millimetres (1.2 inch) along each edge, is held in a frame affixed to the front of the telescope, and is pressed down in position by the spiral spring, F. There are three adjustments to the prism. The first adjustment, accomplished

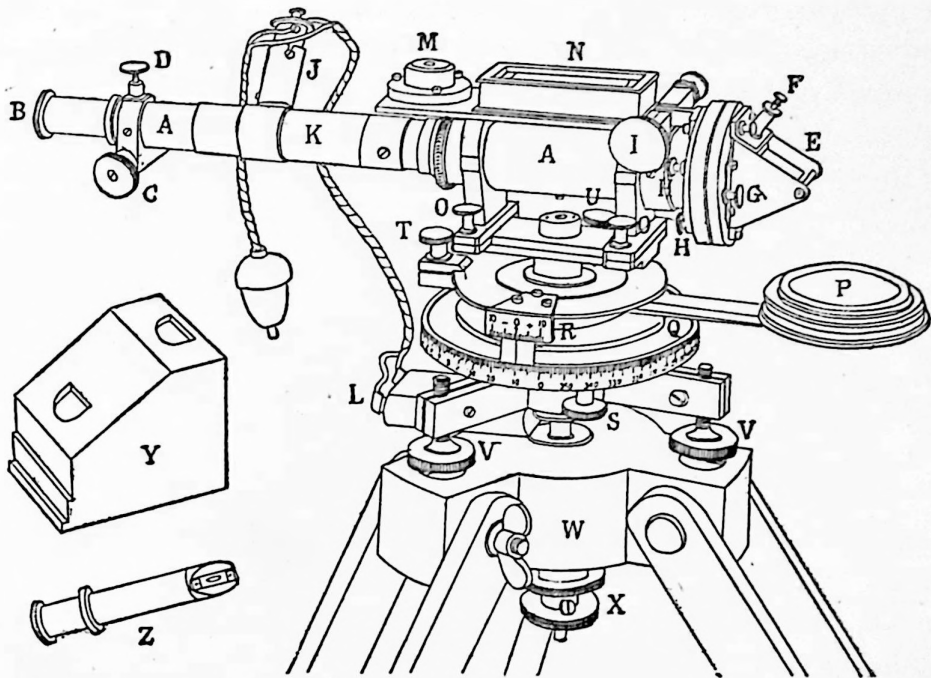


FIG. 2.

- | | |
|---|---------------------------------------|
| AA Telescope. | N Trough Compass. |
| B Eyepiece. | OO Screws clamping telescope-frame |
| C Focussing screw. | to lower part of instrument. |
| D Screw clamping telescope in | P Artificial horizon. |
| focus. | Q Lower plate, carrying horizontal |
| E Prism in front of object-glass. | circle. |
| F Spiral spring holding prism in | R Sector, below which is the fiducial |
| position. | mark of the horizontal circle. |
| G Collimation-screw for vertical | S Lower plate clamp. |
| wires. | T Sector clamp. |
| HH Two of three collimation-screws | U Azimuth clamp. |
| for horizontal wires. <i>prism-mounting</i> <i>screw fixing</i> | VV Levelling screws. |
| I Clip screw. | W Tripod. |
| J Lamp-holder. | X Spring and screw fixing instru- |
| K Sleeve of lamp-holder. | ment to tripod. |
| L Dry battery. | Y Wind-screen. |
| M Spirit level. | Z Auto-collimator. |

by turning the single collimation-screw, G, gives a slight rotatory motion to the prism round a vertical axis, and serves to collimate the vertical wires. The second adjustment, to collimate the horizontal wires, is done by slightly turning ~~one or more of the three~~ screws, H, and has the effect of giving to the prism a slight rotating motion about a horizontal axis perpendicular to the optic axis of the telescope. Both these adjustments are done in conjunction with the auto-collimator before commencing a series of observations. The third adjustment, by turning the clip-screw, I, is usually made at every single observation of a star, with the ordinary eyepiece in place; it gives the prism a rotatory motion round the optic axis, and serves to bring the two images of a star into the same vertical line.

Illuminating Device.—The illuminating apparatus consists of a small 4-volt electric lamp, fixed in a holder, J, and mounted on a sleeve or collar, K, which is capable of sliding along and around the telescope-tube. Current for the lamp is furnished by a small dry battery, L, and the lamp is lighted by pressing the button of a push inserted in the circuit. The sleeve which carries the lamp is placed in one or other of two positions, according as the instrument is being adjusted with the auto-collimator or employed in actual observation of stars. In Fig. 2 it is shown in the position for observation, in which it gives bright wires on a dark ground. The space included by the four wires is slightly over a degree square. The brightness of the wires can be varied by rotating the sleeve round the optic axis, the illumination being the greater the more the lamp-holder is moved from the horizontal position. When the instrument is being adjusted by the auto-collimator, the sleeve is moved as far as it will go towards the eyepiece, and the lamp-holder is kept in the horizontal position; this gives a bright field on which the cross-wires are seen as black lines. The auto-collimator gives a much smaller magnification than is obtained with the observing eyepiece.

Level.—A small circular spirit-level, M, serves to level the instrument by adjusting the three levelling-screws, VV. The preliminary levelling of the instrument is not required to be done with any very high degree of precision, and the small circular level is quite sufficient for all the accuracy necessary.

Compass.—A trough compass, N, with a magnetic needle about two inches long, having an arc of vibration of about 20° on either side of the central division, is fixed to the top of the telescope-tube, and serves to orientate the instrument approximately in the true meridian when the magnetic declination is known. The needle is lifted from its pivot when not in use, by moving a catch outside the compass-box at the end nearest to the eyepiece.

Artificial Horizon.—The artificial horizon, P, consists of a very shallow circular dish about two inches in diameter, with a floor of amalgamated copper, on which a thin layer of mercury is poured. It fits by a conical stem into a recess in the arm which carries it, and which is capable of rotation along with the telescope around the vertical axis of the instrument. In the case are provided two boxwood bottles, one containing a supply of clean mercury and the other to contain mercury which has been used, a boxwood funnel, glass tubes, and a piece of chamois leather; these are used for filling the artificial horizon with mercury and for cleaning its surface of dross. For travelling, the mercury-dish fits into a cover, and is provided with a screw-on cap to protect the conical stem; this cap also serves to form a stand for the mercury-dish when detached from the astrolabe.

Lower Plate and Horizontal Circle.—The lower plate, Q, which carries a brass horizontal circle of five inches diameter divided into degrees round its edge, is capable of rotation about the vertical axis, and can be clamped in any position by the lower-plate clamp, S. When the other clamps, T and U, are fixed, and S loosened, the entire instrument can be rotated round the vertical axis; this arrangement is adopted for orientating the instrument in the true meridian at the commencement of observations. During the observations themselves the clamp, S, is kept fixed, and by loosening the azimuth-clamp, U, the telescope with its attachments, and the artificial horizon with it, can be placed in any desired azimuth by means of the horizontal circle.

The Sector.—The sector, R, with a range of 10° graduated on either side of its zero, serves to correct for any error in the preliminary orientation of the instrument, without having recourse to moving the lower plate; it is specially useful when, owing to

local attraction of the compass-needle, the local magnetic declination is very uncertain. By loosening the sector-clamp, T, the position of the fiducial mark by which the horizontal circle is read can be shifted up to 10° either way on the sector, and thus made to correct for any error in the preliminary orientation up to this amount. In a series of observations, of course, the sector-clamp, T, is kept tight, being only loosened if found necessary by the reading of the horizontal circle not agreeing with the calculated azimuth of the first star, and clamped after the error of preliminary orientation has been allowed for on the sector so as to give correct azimuths for all remaining stars of the series.

The Azimuth-clamp.—The azimuth-clamp, U, which is conveniently placed at the observer's left hand, serves to fix the upper part of the instrument at any azimuth indicated on the horizontal circle. It has to be loosened after every star observation, in order to bring the telescope into the correct position for the next star. On the larger instruments this clamp is accompanied by a fine adjustment screw, giving a slow motion in azimuth; but in the smallest size here described the slow motion has to be given by hand with the clamp loosened.

The Tripod.—The tripod, W, is a light but stiffly-built structure of wood, of a suitable height for convenient observation when the observer is seated in an ordinary chair. The framed legs are held to the central block of the stand by thumb-screws, which should be kept tight to avoid shake. The instrument is held down to its tripod by a stiff spiral spring and screw, X.

The Wind-screen, Y, is a blackened wood box which can be fitted over the artificial horizon to prevent disturbance of the mercury-surface in a light wind.

The Auto-collimator, shown separately at Z, is a spare eyepiece which is used in place of the ordinary eyepiece for adjusting the prism into its correct position before observations of stars are taken. It consists of a low-power microscope, with a plate of glass inclined at 45° fixed over its objective; this plate acts as a reflector for illuminating the field of view.

Adjustments of the Prismatic Astrolabe.

1. To level the instrument.—Having set up the instrument on its tripod as nearly level as possible by eye, turn the telescope till its axis is pointing over one of the levelling-screws and midway between the two others. Then bring the bubble on to the line parallel to the axis of the telescope by turning the two last-named levelling-screws in opposite directions to each other, and finally bring the bubble to the centre by turning the other levelling screw.

2. To make the edges of the prism approximately horizontal.—The *final* adjustment for horizontality of the prism-edges is made separately for each star observed. But it is useful to make an approximate adjustment before commencing observations, because if the adjustment is badly wrong there may be considerable difficulty in finding the two images of a star. To make this approximate adjustment, which is conveniently done in the daytime, proceed as follows. Having levelled the instrument as above, take out the eyepiece altogether, and suspend a plumb-bob by a fine white thread in front of the prism. On looking through the telescope tube, the thread may appear to be broken at the prism edge, showing that the prism is not horizontal; the adjustment is made by turning the clip-screw, I, until the thread appears continuous.

3. To make the back face of the prism normal to the optic axis of the telescope.—This is done by means of the auto-collimator, using the electric illumination of the field, and is conveniently done in the dark just before observing; if carried out in daylight it is best to throw a dark cloth over the prism to prevent extraneous light entering the telescope. Remove the ordinary eyepiece and insert the auto-collimator. Slide the sleeve of the lamp-holder as far as it will go towards the eyepiece-end of the telescope-tube, and rotate it so as to bring the lamp-holder into the horizontal position. Then, pressing the push to illuminate the field, look through the auto-collimator and focus on to the cross-wires. If the adjustment is already correct,

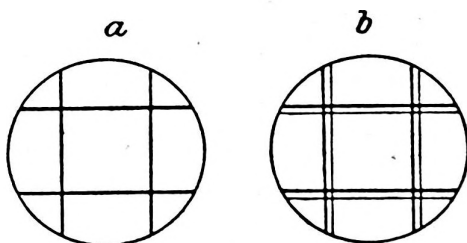


FIG. 3.

a single set of four dark wires will be seen crossing the field, as at *a* in Fig. 3. But if not, a second series of four wires, parallel to, and slightly fainter than, the first will also appear by reflection from the prism face, as at *b* in Fig. 3. The adjustment in this latter case is to be done in two stages. First, by turning the single screw, *G*, on the front of the prism-mounting, bring the two sets of images of the vertical wires into exact coincidence. Then, by means of the three screws, *H*, on the back of the prism-mounting, bring the two sets of horizontal wires into exact coincidence. This last operation is more difficult to do than the other, partly because the screws are rather difficult to get at with the fingers, and partly because of three screws having to be dealt with instead of one. But when the adjustment has been very nearly made, it can be completed by a very slight tightening or loosening of the lowest screw of the three, which is the one most easily accessible; and once made, the adjustment does not readily get out of order. The complete coincidence of the direct and reflected images of the graticule shows of course that the back face of the prism is normal to the optic axis.

4. To orientate the instrument so that true azimuths are indicated by the readings of the horizontal circle.—This is very easily done by the compass if the local magnetic declination is known. Suppose the compass-declination is known to be 5° West. Having levelled the instrument, clamp the sector with its zero in coincidence with the fiducial mark of the horizontal circle, and bring the fiducial mark itself to 355° (which is the true bearing of the magnetic north point) on the horizontal circle, clamping it there by the azimuth-clamp, *U*. Then, loosening the needle of the compass and the lower-plate clamps, rotate the entire instrument round the vertical axis till the needle points to its zero division, and tighten the lower-plate clamp. The instrument is now correctly orientated.

If there has been an error in the assumed compass-declination, or if there is some local attraction of the needle, the orientation will of course be incorrect by the amount of the error or local attraction, and this will be at once perceived by the first star not appearing at its tabulated azimuth. If, for instance, the true local variation was really 7° instead of the assumed 5° , the azimuth of the star will appear 2° too great on the circle. This can be allowed for by slackening the sector-clamp, *T*, and moving the sector till the fiducial mark points to -2° on the sector, after which adjustment all sub-

sequently-observed stars will be found at their tabulated azimuths as read on the horizontal circle.

The above four adjustments are all that are required to be made before observing with the instrument. There are a few minor adjustments necessary during the actual progress of a set of observations, but these latter will be referred to in the chapter on instructions for observing.

Ball and Knox-Shaw.—A Handbook of the Prismatic Astrolabe.

CORRIGENDA.

p. 10, line 12 from bottom, *for E, read B.*

„ 11, lines 6 and 7 from bottom, *substitute*

HH, Two of three screws fixing prism-mounting to telescope.

p. 12, lines 4 and 5 from top, *for one or more of the three screws H, read one of two other screws.*

„ 16, lines 5 to 18 from top, *for First axis, substitute the following :—*

First, by means of a small screw-driver, turn gently one or other of the two screws with nicked heads (not shown in Fig. 2) which will be found situated one above the other in front of the prism-mounting on the opposite side of the prism to the vertical collimation-screw G, until the two images of the horizontal wires are exactly coincident. Then secondly, turn the screw G with the thumb and finger until the direct and reflected images of the vertical wires are likewise exactly coincident with each other. The complete coincidence of the direct and reflected images of the graticule shows, of course, that the back face of the prism is truly normal to the optic axis of the telescope. It is the latter part of the adjustment (that for coincidence of the images of the vertical wires) which is the more important of the two stages, and it should be carefully attended to before the commencement of every set of observations.

p. 39, line 2 from top, *for assumed latitude read assumed altitude.*

p. 282, the R.A. of ζ Pegasi should be 22 37.

CHAPTER III.

PREPARATION OF PROGRAMMES FOR OBSERVATION.

To prepare a programme for observation at any place,—

1. Decide on a convenient local mean time for the observations.
2. Convert this into local sidereal time.
3. From the star-tables, look out what stars are observable in each of the four quadrants in the particular latitude at about the given sidereal time, and make a list of their sidereal times of passage and their azimuths, interpolating between two tabular latitudes if necessary.
4. Convert the sidereal times into chronometer-times, assuming an approximate chronometer-error.
5. Arrange the stars in the order of their chronometer-times, noting their magnitudes and azimuths.

As an example, let it be required to prepare a programme for astrolabe-observations at Berbera, British Somaliland (lat. $10^{\circ} 25' N.$, long. $44^{\circ} 59' E.$) for April 5, 1918, between 10 p.m. and 1 a.m., the chronometer being approximately 25 m. slow on local mean time.

			h.	m.
Sidereal time at local mean noon			0	51
„ „ at 10 p.m., approximately			10	53
„ „ at 1 a.m., approximately			13	53

We have therefore to find from the star-tables what stars make their passage in the different quadrants between the local sidereal times 10 h. 53 m. and 13 h. 53 m. in latitude $10^{\circ} 25' N.$ This is easily done by taking out from the tables the corresponding stars

in latitudes 10° and 11° N., and interpolating for latitude $10^\circ 25' \text{ N.}$, as shown below :—

Quadrant.	Star.	Mag.	Lat. 10° N.		Lat. 11° N.		Lat. $10^\circ 25' \text{ N.}$	
			L.S.T.	Az.	L.S.T.	Az.	L.S.T.	Az.
			h. m.	°	h. m.	°	h. m.	°
NE.	η Boötis ...	2.8	11 53	70	11 51	71	11 52	70
	ρ Boötis ...	3.8	12 54	43	12 50	45	12 52	44
	ϵ Boötis ...	2.7	12 57	51	12 54	53	12 56	52
	α Cor. Bor.	2.3	13 46	52	13 43	54	13 45	53
	δ Bootis ...	3.5	13 50	35	13 45	38	13 48	36
SE.	γ Corvi ...	2.8	11 19	154	—	—	—	—
	δ Corvi ...	3.1	11 25	150	11 33	154	11 28	152
	α Virginis ...	1.2	11 54	133	11 58	135	11 56	134
	β Libræ ...	2.7	13 40	129	13 43	131	13 41	130
	α Libræ ...	2.9	13 43	149	13 49	152	13 46	150
SW.	α Hydræ ...	2.2	11 0	233	10 56	231	10 58	232
	ν Hydræ ...	3.3	11 48	211	11 40	207	11 45	209
	δ Crateris ...	3.8	12 26	216	12 20	213	12 23	215
	γ Corvi ...	2.8	13 5	206	—	—	—	—
	δ Corvi ...	3.1	13 27	210	13 19	206	13 24	208
NW.	ϵ Leonis ...	3.1	11 32	301	11 35	300	11 33	301
	δ Leonis ...	2.6	13 7	295	13 8	293	13 7	294

Our list gives us a redundancy of stars, and as we only require two stars in each quadrant, we may cut out three of the stars in the first quadrant and two in each of the second and third. To decide on which stars to cut out, we have to remember that the programme-times are only approximate, and it is consequently best to allow at least five minutes of interval between successive programme-times, in order to make sure of having time to swing round from one star to another. We may at once cut out α Coronæ Borealis and α Libræ, because their times are so close to that of δ Boötis; and we may cut out also α Hydræ as being the earliest of all the stars, since by doing so we shorten the total time of observation by nearly half an hour. We reject η Boötis, ρ Boötis, and δ Crateris from our programme, the first because it is outside

our normal limits of azimuth, and the other two because they are fainter stars than the others. We might also cut out δ Corvi in the SE. quadrant and thereby still further reduce the time over which the observations extend, but it will be preferable to leave it in, to serve as a trial star on which to make sure that all the instrumental adjustments are satisfactory.

We have now to convert the sidereal times of passage of the stars we have selected into the equivalent chronometer-times. The middle sidereal time of all the observations is about 12 h. 30 m.; and the chronometer-time corresponding to this is 11 h. 12 m.; that is to say, the chronometer is roughly 1 h. 18 m. slow on local sidereal time, and consequently by subtracting 1 h. 18 m. from the sidereal times of passage of the stars we obtain the approximate chronometer-times.

Our final programme, therefore, is :—

Star.	Mag.	Approx. Chr. Time.		Azimuth.	Remarks.
		h.	m.		
δ Corvi... ..	3·1	10	10	152	Trial star.
ϵ Leonis	3·1	10	15	301	NW. Quadrant.
ν Hydræ	3·3	10	27	209	SW. "
α Virginis	1·2	10	38	134	SE. "
ϵ Boötis	2·7	11	38	52	NE. "
δ Leonis	2·6	11	49	294	NW. "
δ Corvi... ..	3·1	12	6	208	SW. "
β Libræ	2·7	12	23	130	SE. "
δ Boötis	3·5	12	30	36	NE. "

It will not always be possible to find a sufficiency of stars in the tables for a satisfactory programme to be made out for any particular period of time at which it may be desired to observe, because of the comparatively small number of bright stars which reach 60° of altitude during the night in certain latitudes, and the irregularity of the intervals at which the stars occur. But it will easily be seen from the tables at what sidereal time it is practicable to observe a sufficiency of stars within a limited period of observation, and it will usually be possible to arrange for the observations to be taken at the particular time of night when stars are sufficiently numerous for a good result.

The general aim should be to form a programme which, without extending over more than about two hours of observation, includes

two stars in each of the four quadrants, and if possible an additional preliminary bright star in one of the quadrants to serve as a trial-star. This allows for a good determination, even should one or two of the stars be missed for any reason. But four stars in different quadrants will yield quite satisfactory results if they are all properly observed, and even with this number a good check on the work is obtained. With three stars in different quadrants the results may also be quite good, but in this case there is no check possible unless the angle of the prism and the refraction are accurately known.

When only a single night is available for observation at any place and there is fear of the sky becoming clouded over, it is generally best to prepare a rather long programme, lasting, it may be, over five or six hours, and to commence observing as early as possible. If all goes well, the observations can be stopped when two stars have been observed in each quadrant; while if the observations are interrupted by clouds it may still be possible to secure, say, one star in each of the four quadrants within a period short enough to avoid sensible change in the refraction. Where the observations have perforce to extend over a long time, the readings of the thermometer and barometer will of course be noted at each observation; and if on reference to the refraction-tables on page 278 it is found that the change of refraction is sufficiently sensible, it can be easily allowed for in reducing the observations (*see* p. 42).

CHAPTER IV.

INSTRUCTIONS FOR OBSERVING.

In selecting the spot for observation, preference should be given wherever possible to a position in which the instrument is screened from wind, as in the lee of a building or hill. As the part of the heavens which it is necessary to see does not extend below an altitude of 60° , it is usually possible to secure a fairly good screen without interfering with the field of view of the instrument. Care should of course be taken that the building or other structure used as a screen is not of such a nature, or in such close proximity, as to introduce unsymmetrical refraction, as for example might be the case with a hot boiler-house. If it is necessary to take observations at a time when a breeze may be expected, and there is no natural shelter available for the instrument, it may sometimes be practicable to rig up a shelter from four poles and a piece of sail-cloth; such a shelter may of course be carried up higher than the instrument itself without obstructing the view of stars. But improvised shelters of this kind, if erected on sandy or dusty ground, frequently give rise to a great deal of dust, owing to the continual flapping of the lower edges of the cloth; and unless well closed at the bottom they may in this way cause the mercury-surface to be rapidly covered with fine dust, which vitiates the reflecting-power.

The astrolabe should if possible be set up some half an hour before the actual observations are timed to commence, and care should be taken that it is so set up as to be at the most comfortable height for the observer; the accuracy with which the star-passages can be noted depends to a large extent on the comfort of the observer, and he should so arrange the height of the instrument that he can look through the telescope without straining his back or neck. The observer should be provided with two or three electric torches or flash lamps. No one who has used these for night observing work would ever go back to the old system of oil or candle lantern, and in working with the astrolabe, where at the moment of observation it is essential that all should be in darkness, the facility with which an electric torch or lamp can be extinguished is an added advantage. It is always best to have one or two spare torches or lamps ready,

because the dry batteries by which they are actuated are liable to give out rather suddenly, and it is maddening to have an observation spoiled by a failure of this kind.

Assuming the edges of the prism to have been already adjusted in daylight to nearly the horizontal position, as described under adjustment 2 on page 15, and the instrument to have been set up at the selected spot and levelled by adjustment 1, page 15, the first step should be to place the zero of the horizontal circle in the azimuth of the true north, by the process described under adjustment 4 on page 16.

Next, the perpendicularity of the back of the prism to the optic axis of the telescope should be tested with the auto-collimator (the sleeve of the lamp-holder being retracted into the collimation-position), and any necessary adjustments made by the collimation screws, as described under adjustment 3 on page 15.

The auto-collimator is then removed; the sleeve of the lamp-holder having been moved forwards into the observing position, the ordinary eyepiece is inserted and the telescope focussed on the illuminated wires. The sleeve of the lamp-holder should be rotated into such a position that the wires are sufficiently bright for the observer to see them clearly, without being so bright as to interfere with the clear seeing of the star-images. The angle at which the lamp-holder will give the most suitable degree of illumination will depend largely on the state of the dry battery used. With a new battery the position may be nearly horizontal; but as the battery runs down, the inclination has to be increased in order to get enough light on the wires. To some extent the degree of illumination required will depend on the taste of the observer; but with fairly bright stars it is better to have the wires rather too bright than too faint, for the visibility of the wires is the criterion that the observer is looking along the optic axis of the telescope, and on coming from the light round the chronometer after booking an observation it may be found difficult to see very faintly-illuminated wires at the first glance, even if the eye is directed along the correct line.

The next step is to prepare the artificial horizon, and a good deal of the success or otherwise of the observations will depend on the correct amount of mercury being used and on the cleanliness with which its surface is maintained. It is essential for the proper performance of the horizon that the mercury should wet the entire surface of the amalgamated copper plate which forms the floor of

the basin, and this condition will not be fulfilled unless the amalgamated copper plate is kept free from all traces of grease. Even a touch with the fingers is sufficient to impart enough greasy matter to the plate to prevent uniform wetting of its surface by the mercury. If the instrument has not been used for some time there may be on the surface of the plate a hard layer of amalgam which will not unite easily with the newly poured-on mercury; and this by interfering with the free motion of the mercury may be sufficient to prevent the mercury-surface from being truly horizontal. It is therefore important before commencing a set of observations to verify that the copper plate is everywhere cleanly covered with a fluid amalgam. If it is found that the mercury does not everywhere wet the plate, or does not roll freely over its surface, the mercury should be poured off and the plate should be cleaned by pouring on it a few drops of dilute nitric acid; this will attack the copper and ensure the proper condition of amalgamation of the plate in a few seconds, when the acid should be washed off with water, leaving the plate ready to receive a fresh layer of mercury. The mercury is conveniently poured on to the amalgamated copper plate with the aid of the wooden funnel, the horizon being in its place on the instrument while the operation of adding the mercury and cleaning its surface is done. A little experience is the best guide as to the quantity of mercury to be used. If too much is present, the surface will form a meniscus instead of being flat, and the definition of the image will suffer, while there will be an added sensitiveness to disturbance of the surface by wind. If there is too little mercury, on the other hand, there will be such viscosity of the thin layer that the surface will not at once take up a truly horizontal position when the levelling-screws of the instrument are adjusted, and the accuracy of the observations will be impaired; this condition is readily detected by the reflected image not promptly responding to a movement of the levelling screw. The quantity of mercury should be sufficient for the surface to maintain a horizontal position when the instrument is slightly out of level, and at the same time not so great that a marked meniscus is formed, nor so great that the horizon is very sensitive to disturbance by air-currents. It will be found that the quantity is about right when the glass cleaning-tube just grazes the mercury-surface when it is rolled along resting horizontally on the rim of the shallow dish which holds the amalgamated copper plate. To clean the mercury-surface, the glass tube provided with the instrument

is wiped clean with the chamois leather and then passed with a rotating motion over the mercury, the tube being turned in the opposite sense to that in which it would naturally roll. All the dross on the surface of the mercury adheres to the glass tube, and can be wiped off. Two or three passages of the tube are sometimes required to obtain a perfectly clean surface.

The wind-screen should now be placed in position over the artificial horizon, care being taken that it is free from dust inside, which would drop on the mercury surface. The wind-screen should be put in place, even if the air is quite calm at the commencement of the observations; for there is no certainty that a breeze may not spring up during the course of the work, and a set of observations might easily be spoiled by this occurring when there was no time to put the screen in place.

All is now ready for commencing observations, and the fiducial mark of the horizontal circle should be set to the azimuth shown for the first star on the programme. Since the diameter of the field of view of the telescope is nearly a degree and a half, the star-images will usually enter the field (at the top and bottom) about three to four minutes before they pass each other. About four minutes before the time marked on the programme, therefore, a look-out should be made for the star-images. As the computed azimuth may only be correct to a degree or so, the azimuth-clamp should be loosened and the telescope gently moved a little to and fro in azimuth till an image is seen entering the field. The absence of a fine adjustment-screw for this purpose in the small instruments is at first somewhat embarrassing, but after a little practice it is easy to secure a smooth slow motion by grasping the clamp between the thumb and finger, these at the same time resting lightly on the top of the lower plate, when a slight turning of the wrist will be found to give the desired steadiness of motion.

If the instrument is in perfect adjustment in every respect, the two images will enter the field at the same moment, one vertically over the other, and will remain vertically over each other as they approach, though moving slowly in azimuth; in this case nothing remains to be done except to move the telescope very slightly, following the images in azimuth so that their passage shall take place near the centre of the square formed by the illuminated wires, and to note the time of passage. The adjustment must be complete about fifteen seconds or so before the actual passage takes place,

so that the mercury horizon is perfectly steady at the critical moment. The movement in azimuth should be made so that the passage is made to occur as near as possible to the imaginary vertical line which bisects the square; it is more important that this should be attended to than that the passage should take place near the centre of the field. For it can be shown that if the horizontal edge of the prism is within $2'5$ of perpendicularity to the optic axis of the telescope (a condition easily fulfilled in practice, owing to the perfection of the prism and the ease with which the collimation-adjustment can be made), then the altitude of observation will be constant within $0''1$ if the star-passages are all observed within a vertical band $5'$ in width down the centre of the square; or within $1''$ if they are all observed within a vertical band $15'$ broad. But even if the adjustment of the prism is imperfect, the constancy of altitude, which is the vital thing to be aimed at, will still be maintained, if all the star-passages are made to take place at the same point of the field. With a little practice it is easy to ensure that the passages are all observed very close to the centre of the square, and when this is done the effects of any small imperfections of the prism or errors in the adjustment for collimation are negligible in the result.

In general only one of the star-images will at first be seen, the other being out of the field. A search must therefore be made for the other image. If the image first seen enters at the top of the field, the other, the one sought, is possibly vertically below it though out of the field, but it will most likely be a little to one side of the image first seen. By moving the telescope gently to and fro in azimuth, care being taken not to shake the mercury horizon, the other image will be found, and the clip-screw should be turned so as to make the two images approach each other laterally till they are in the same vertical line, the telescope being then moved if necessary to bring the imaginary vertical line joining the two images to near the centre of the field. If now the two images are not about equally above and below the centre of the field, one of the levelling screws, preferably that most nearly under the optic axis of the telescope, should be adjusted so as to bring the point of passage near the centre of the square. All this can usually be done in the two or three minutes between the time of first sighting one of the images of the star and the time of passage. But sometimes, if the preliminary adjustment of the clip-screw has not been very exact, it may take longer; and hence it is a good plan to have in the programme an extra star for

the purpose of adjustment, preferably a bright star which crosses the 60° altitude some minutes before the commencement of the actual programme. If this is done, it will not matter if the clip-screw adjustment cannot be completed till just after the images have passed each other.

Once the clip-screw has been adjusted nearly correctly for the first or trial star, it will not give much trouble for subsequent stars, as only a slight further motion will be necessary in subsequent observations. The best rule to observe with the second and following stars is to look out well in time round about the proper azimuth, and as soon as one image is seen, clamp the horizontal circle; then, if the image seen is high up in the field, turn one of the levelling screws so as to bring it still higher, and *vice versa*. This will generally bring the other image into the field, and the final adjustments, of the clip-screw for verticality of images, and of levelling-screw and azimuthal motion for centrality of the point of passage, can be very quickly accomplished.

It is best not to make the images go right over each other, but only to make them pass very closely; and the instant of passage is the instant when the two images are apparently in the same horizontal line. Also it is far preferable to allow the passage to take place some distance from the centre of the square (so long as it is somewhere within it) rather than to attempt final adjustments too near to the time of passage. For at least fifteen seconds before the passage the adjustments should be left absolutely untouched, in order that the mercury of the horizon may be quite steady, and that a good clear reflected image may be seen. A little practice with the instrument will enable this condition to be fulfilled, as well as that of approximate centrality in the field, at every observation.

When the mercury is clean and still, the direct and reflected images are practically of equal brightness and definition; but tremors of the mercury due to movement of any kind will blur the reflected image, while the effect of wind may be to cause such intense blurring that the reflected image looks more like a nebula than a star, and of course no accurate observation can then be made.

To decide which is the direct image, and which the reflected one, when both are equally bright and clearly defined, it is useful to remember that the direct image appears to move in altitude in the opposite direction to the actual motion of the star, *i.e.*, if the star is rising, the direct image of the star will appear to be descending,

while the reverse is the case with the reflected image. In azimuth, both images appear to move in the same direction as the star, *i.e.*, if the star is really moving to the observer's right, both the images will appear to do the same. As a matter of fact, however, it practically never matters to the observer which image is which. The instrument has to be very badly out of level indeed to invalidate the rule, that to find the second image when the first has been seen, if the first-seen image is low, it must be lowered still more to find the other; if high, it must be raised still higher; in both cases, of course, the lowering or raising is done by means of one of the levelling screws; and a little horizontal sweeping will do the rest, if only the clip-screw adjustment is reasonably nearly correct. And when once the two images can be seen in the field, all the rest is easy.

It is a good plan, whenever there is a comparatively long wait between successive star-observations, to check the adjustment of the prism by the auto-collimator, and to clean up the mercury of the horizon if necessary. The adjustment of the prism will seldom need any modification; but if the night is rather windy and there is dust about, the artificial horizon may gather enough dust in half an hour to make it well worth while to clean it, for the wind-screen acts as a sort of dust-trap.

The best manner of taking the times of the star-passages will depend on the nature of the time-pieces available, and on whether or not the observer is accompanied by a skilled assistant, as well as to some extent on the previous practice and preference of the observer.

The method which we ourselves have found most satisfactory is to make use of a Dent "time-of-flight" stop-watch, which records hundredths of seconds. The watch is started at the instant of star-passage and stopped on a beat of the chronometer; the time of passage is then the recorded chronometer-time *minus* the interval shown on the watch. This method can be employed without an assistant. Its chief objection is the great expense of the "time-of-flight" watch. But probably a good ordinary stop-watch marking fifths of seconds would serve in the same way with sufficient accuracy for ordinary surveys; for if, say, eight stars were observed and the times correctly recorded to fifths of seconds, the final result might reasonably be expected to be within a tenth of a second of the truth. With any form of stop-watch the observer should stop the watch on the chronometer-beat by sight, not by sound; for then the personal

reaction-time of the observer should be entirely eliminated. The great advantage of using some form of stop-watch for recording the time is that it leaves the observer's mind free to concentrate itself on the observation of the star-passages, unburdened by any necessity for counting the beats of the chronometer, and in this way conduces to more precise observation of the instant of passage.

If no stop-watch is available, the observer may himself record the time. The chronometer is conveniently placed a few yards from the instrument, so that its beats can be heard. About twenty seconds before the passage is expected to take place, the observer glances at the chronometer and "carries the beat" till passage occurs, estimating the nearest tenth of a second. This method gives good results with a practised observer, but involves a much greater strain than the use of a stop-watch.

To avoid the strain of "carrying the beat" when no stop-watch is available, an assistant may be made use of to record the chronometer-time, the observer calling out "tip" at the instant of passage. Needless to say, the assistant should be previously practised at the work.

In hydrographic surveys it may be preferred not to risk the carrying of one of the ship's chronometers ashore, but to employ a good hack watch; and in most exploratory land-surveys* a chronometer is so difficult to transport safely that a good lever watch, either an English half-chronometer or a first-class Swiss lever,† will be found more convenient. The watch should have a good clear seconds dial, with a fine black second-hand moving close to

* We are here referring to surveys where the chronometer would have to be transported by hand or on pack-animals, under which conditions, apart from the risk of a fall, it would be very liable to be stopped by a sudden twist. But where motor-car transport can be used, it is quite safe to take a box chronometer, as we have found on recent military surveys. We have carried box chronometers for thousands of miles over rough desert in motor-cars, and in spite of the jolting they get they have not only been transported safely, but have maintained a constant rate within a few tenths of a second per day. The best place to carry a chronometer in a car is between the observer's legs, the box being placed on a folded blanket resting on the floor of the car. When the car jolts very badly, of course the chronometer is jerked vertically upwards, but it can be prevented from falling violently by gripping it between the legs; and provided it does not get *too* violent a shock, bumping up and down does not seem to affect the rate. The main thing to be careful about is not to twist the chronometer suddenly when putting it in or taking it out of the car.

† *E.g.* Zenith, Tavannes, or Longines. These are all high-class machine-made lever watches which have given good results under test, and they are much cheaper than a first-class English lever.

the dial to avoid error of parallax. Where a watch is used, the method we prefer is to hold the watch to the ear while observing, and commence to count the ticks aloud at the instant of passage. As soon as the assistant hears the observer begin to count, and sees him take the watch from his ear, he flashes the light of a portable electric lamp, held in readiness, on to the dial, and the observer notes how many ticks he has counted when the second-hand of the watch reaches a five-second division. The reading of the watch being noted, and the number of ticks, the instant of passage is the watch-reading *minus* the interval corresponding to the ticks. Half-chronometers generally make four and a half, Swiss lever watches five, ticks per second. By this process the time of each observation can be correctly recorded to about a fifth of a second, and the final result from eight stars should be well within a tenth of a second of accuracy. But so much depends on the particular watches available and on the experience of the observer and his assistant, if any, that practice on different expeditions will vary a good deal; the great thing to bear in mind is that the instant of star-passage is so sharply marked in the astrolabe, owing to the high magnification of the telescope and the double relative velocity of the images, that the precision of observation is usually ahead of the precision of time-recording, and consequently every effort should be made, by eliminating personal equation as far as possible, and by avoiding loss of accuracy by comparison or otherwise, to secure that the recording is as exact as it can be made with the time-keepers available.

As a general rule on hydrographic surveys, and to a smaller extent on exploratory surveys, it will be possible to obtain Greenwich or other standard time by wireless signals. The development of wireless telegraphy, by eliminating the necessity of trusting to chronometer-rates over long periods, or to lunar observations for the deduction of longitude, has made it well worth while to strive after the greatest possible precision in determining local time. In former days it was often not worth while to be sure of the local time to within a second for longitude, because the chronometer could not be trusted to give the Greenwich time with that degree of accuracy at any great distance from the nearest telegraph office; but nowadays quite a small portable wireless receiving outfit enables Greenwich time to be picked up within a tenth of a second even in regions remote from civilisation, and in consequence one must strive after tenths of seconds in the precision of local time-determinations in order

to make full geographical use of the facilities thus afforded. And in all cases where wireless is used to determine standard time in conjunction with the astrolabe for longitude, it is more important than ever to avoid as far as possible, not only the small errors inseparable from numerous comparisons, but also those due to personal equation. In geographical surveys with a portable wireless set, for instance, if a chronometer is used it should be so placed that it can be used to record the star-observations and the wireless signals without its position being changed; and if the times of star-passages are booked by the recorder from the observer's calling out "tip" at each passage, the wireless signals should be received and booked by the same recorder, and not by the observer. In this way the personal equation of the booker (his reaction-time to sound) is eliminated; there will still remain, of course, the personal equation of the observer, but even this may be allowed for by conducting a blank experiment in a place of known longitude. In hydrographic surveys the wireless receiver will almost always be aboard ship, while the astrolabe observations can only be made ashore; and in this case, if the distance to be covered by boat is not too great, nor the sea too rough, it will probably generally be best to carry one of the ship's chronometers ashore for the observations, and to take the wireless signals on the same chronometer on its return to the ship. The chronometer used for the observations will of course be compared before and after the observations with any other chronometers which remain on the ship, and thence an estimate of the constancy of the rate of the moved chronometer, and the reliability of the resulting longitude, can be obtained. An ideal arrangement is to have several mean-time chronometers kept on the ship, and a sidereal chronometer carried to and from the shore for the star observations. For besides the shortening of the calculations by the use of a sidereal chronometer, there is the added advantage that far greater precision of comparison can be made between a sidereal chronometer and a mean-time one than between two mean-time chronometers, by making use of the method of coincidence of beats. If the journey ashore is long and rough, the usual practice with a hack-watch must of course be followed; but the precision of the astrolabe observations, and the ease with which standard time can be received by wireless on the ship, warrants even more than usual care in the comparison and transport of the watch, as well as in the taking of the times of observation.

The thermometer and barometer should be read at the beginning and end of a series of observations, or better still, if there is a long wait between stars, at every observation. This will permit of an allowance being made for any sensible change of refraction between the different observations.

A few final hints may be given for the encouragement of inexperienced observers with the astrolabe. It is seldom that an observer feels absolutely satisfied that he has recorded the precise instant of passage, even after a good deal of practice. But the speed of separation of the images is usually so rapid, and the concentration of the observer so intense, that what he thinks may be quite a fairly large error turns out in nine cases out of ten to be only of the order of a tenth of a second. Even the inventors of the instrument comparatively seldom feel absolute satisfaction with an observation. Another hint is to set up the instrument in good time and to make oneself perfectly comfortable in observing, as this greatly conduces to accuracy of time-taking, by aiding one in keeping calm at the critical moment. If the observer is in a strained position, it may happen that over-concentration with the fainter stars may lead, by a curious physiological action, to the apparent entire disappearance of both star-images at the moment of passage, and the observation may be missed. Should this happen, or should from any other accidental cause one star of a set be missed, it is important to avoid useless worrying and regret over the *contretemps*; for after all, the missing of one star, out of a set of say eight, will not lead to a very serious loss of accuracy if the others are properly taken; while if the observer allows his mind to be disturbed by a single failure, he is liable to miss or imperfectly observe the whole remainder of the set.

CHAPTER V.

INSTRUCTIONS FOR COMPUTATION.

The data required for the computation are :—

- (1) The chronometer-times of passage of the stars observed.
- (2) The approximate latitude of the place of observation.
- (3) The approximate constant altitude at which the stars were observed.

It will be remarked that the data do not include the chronometer-error; and in fact, although it is convenient to know within a few minutes how much the chronometer was fast or slow on local time for the purpose of preparing the programme of observation, the chronometer-error is not required to be known, even approximately, before commencing the computation. This forms one of the advantages of the special method of computation which we have devised.

As regards the approximate latitude of the place of observation, this should be known to within about 1' of the truth before proceeding with the final calculations. As a general rule, the observer will know his latitude well within this degree of approximation, either from his dead-reckoning or by a rough preliminary meridian-observation of the sun, or by observation of the altitude of a star near the meridian with a sextant or theodolite. But in cases where not even the approximate latitude is known, it can be found within 1' by first merely *guessing* a value for it, and making a preliminary computation from a few of the stars observed with the astrolabe, thus employing the guessed latitude to find a closely approximate one. Such a preliminary computation will present no difficulty to anyone who has mastered the process of the final computation.

The constant altitude at which stars are observed with the astrolabe will always be very nearly 60° less the refraction, or about $59^\circ 59' 30''$, and in general it will always be quite sufficient to adopt this value in the computation.*

* The true altitude depends, of course, on the angle of the prism of the particular astrolabe used. If the prism-angle is known to differ by more than $10''$ from 60° it may perhaps be advisable to employ a slightly different value in the computation. An uncertainty of even $20''$ in the angle of the prism will not, however, sensibly affect the accuracy of the result when three or more stars are observed.

We shall first describe in detail the method of computation for a case in which four stars have been observed, one in each quadrant, as this is the most typical case in practice. Where *more* than four stars have been observed, the process is exactly similar. We shall afterwards consider cases where only three, or even two, stars have been observed, and shall indicate the special precautions necessary to obtain the most accurate results in these exceptional cases.

**Computation of Latitude and Chronometer-error from
astrolabe-observations of four stars, one in each Quadrant.**

In order to render our description of the method of computation as clear as possible, it will be convenient to make continual reference to an actual example, and for this purpose we shall take the following observations* made with the astrolabe at Helwân (approx. lat. $29^{\circ} 51'$, approx. long. 2 h. 5 m. E.), on March 22, 1918. A mean-time chronometer marking approximately Greenwich Mean Time was employed.

Star.	Chron. Time.			Quadrant.
	h.	m.	s.	
α Orionis	5	12	3.5	SW
θ Ursæ majoris ...	5	34	8.5	NE
β Aurigæ	6	2	20.5	NW
α Leonis	6	15	7.8	SE

The complete working-out of this set of observations is given on pages 40 and 41.

The first step (*see* the worked-out example on p. 40) should be to divide the paper into four columns, one for each star observed. Columns about four inches wide will give ample room for the work, and are convenient as being each half the width of a foolscap page, so that all the four columns are presented at one opening of a foolscap-sized book. Head each column with the name of the star and the quadrant in which it was observed; and write down in the column the R.A. and declination of the star as taken from the Almanac.

* This set of observations was taken under rather unfavourable conditions, several of the stars in the original programme having to be missed owing to clouds, while in the cases of the stars observed the reflected images were a little unsteady owing to a light wind blowing at the time. We have purposely chosen observations taken under conditions not more favourable to accuracy than are usually encountered in field-work, in order to make our example as practical as possible.

Then proceed in each column to calculate the local time at which each star was observed, assuming the latitude φ and altitude h to be known, by the ordinary process for finding the time from a single observed altitude, using the well-known formulæ

$$\sin^2 \frac{1}{2} t = \sec \varphi \operatorname{cosec} p \cos \frac{1}{2} (h + \varphi + p) \sin \left(\frac{h + \varphi + p}{2} - h \right)$$

$$\text{Local sidereal time (L.S.T.)} = \text{star's R.A.} \pm t$$

where p is the star's polar-distance and t its hour-angle. Six-place or seven-place logarithms should be used. In ordinary practice, where the latitude is only required to within about $0''.5$, and the chronometer-error to within about $0.1s.$, we may disregard fractions of seconds in the angles, taking out the logarithmic functions for the nearest second, as has been done in the example given; this facilitates the calculation considerably when tables such as those of Bagay or Shortrede, which give the logarithms of the functions to single seconds, are employed. In the reduction of arc to time, Table III on page 279 will be found convenient. The example on page 40 indicates the most suitable way of arranging the calculation.

Further down in the column, compute by four-place logarithms the azimuth of each star, using the formula

$$\sin A = \cos \delta \sin t \sec h$$

where A is the azimuth measured east or west from north or south, and δ the declination of the star. As the azimuth is only required for plotting a diagram, there is no advantage in computing it to a high degree of accuracy; if obtained correct to $1'$, it is already several times more precise than can be plotted.

It will be perceived that the result of our calculation is to give more precisely the local sidereal times and azimuths, the approximate values of which will already have been taken from the star-tables in preparing the programme; it is therefore well at this stage to compare the calculated values with the approximate ones, in order to verify that no gross mistake has occurred.

Thus far, all the computation can be just as well done before the observations themselves are made as afterwards; for the observed data have so far not entered into the calculations.

We now come to the manner of dealing with the observations themselves. Assuming the foregoing calculations to have been made, we have only to do a little simple arithmetic and to plot a simple geometric diagram to obtain the latitude and chronometer-error.

The preceding computations have given us the calculated local times of passage of each of the four stars, assuming the latitude and altitude to be known. We will call these the *calculated times*, and the times actually noted on the chronometer the *observed times*. We subtract the observed times from the calculated times, being careful to attend to the signs of the four differences. If the chronometer indicates very nearly correct local times, the signs of the differences may not be all the same; but as a general rule the chronometer will be sufficiently fast or slow on the local time to cause all the differences to be of one sign, the sign being — if the chronometer is fast, + if it is slow. Thus, in the example on page 40, the four differences are all +, their values being respectively—

h.	m.	s.	h.	m.	s.	h.	m.	s.	h.	m.	s.	
2	5	51.3,	2	5	59.4,	2	5	55.5	and	2	5	53.7

from which it is obvious that the chronometer is somewhere about 2 h. 5 m. 50 s. slow on local mean time.

At this stage we must make an assumption of the chronometer-error, which we can do pretty closely, having the four differences as approximate values to guide us. It is quite immaterial what assumption we make, except for the convenience of subsequently making our diagram of a reasonable size; the best way will usually be to assume a value slightly smaller than the smallest of the four differences. Thus in our example we assume the chronometer to be 2 h. 5 m. 50 s. slow on local time, and subtracting this assumed value from the four differences, we get as our reduced differences—

+ 1.3 s. + 9.4 s. + 5.5 s. + 3.7 s.

Converting these reduced differences from time into arc, by multiplying by 15, they become—

+ 19".5 + 141".0 + 82".5 + 55".5

and these reduced differences expressed in arc, together with the azimuths of the four stars as found by the former computation, furnish the data for finding by a simple graphic construction the exact corrections to our assumed latitude and chronometer-error.

To make the graphic construction, we commence by drawing two lines OX and OY (Fig. 4) at right-angles, to serve as axes of coordinates. These lines may also be taken to represent on a Mercator chart the assumed parallel and meridian of the place of observation, and if our assumed values of the latitude, altitude, and chronometer-error were all correct, the point O would indicate our position. The construction is designed to find another point, Z , which indicates our true position notwithstanding the errors in our assumed data, and by scaling off the displacement of Z from

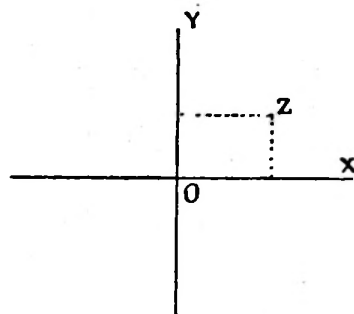


FIG. 4.

O we can find the corrections to our assumed latitude and chronometer-error which are necessary to convert them into the true values. A convenient scale for the diagram is 1 millimetre for 1" of longitude, as this will give a diagram from which, even allowing for slight inaccuracies of drawing, we can scale off latitude and time to well within 1", while the diagram itself will be easily contained on a foolscap page.

The usual convention of signs is to be followed in the diagram, distances measured to the right-hand of OY being positive, and those to the left negative. As all the differences we have to consider in our example are positive, and these, as will be seen from what follows, have to be laid off along the axis of OX , we draw OY near the left-hand side of our paper so as to leave plenty of room for the work. Had the differences been negative, we should have placed OY near the right-hand edge of our paper.

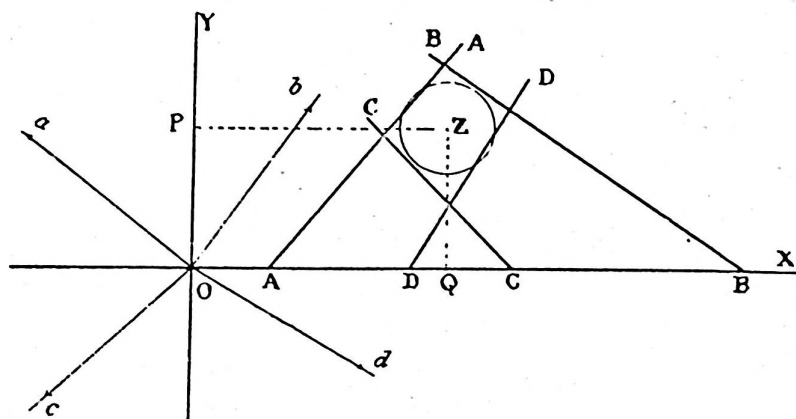


FIG. 5.

From the point O (Fig. 5), we set off four directions Oa , Ob , Oc , Od , representing the azimuths of the four stars, the direction

OY being considered as north. We next mark off the four reduced differences expressed in arc for the four stars, along the axis OX in the proper direction. Thus, in our example, we mark off $OA = +19.5$ mm., $OB = +141$ mm., $OC = +82.5$ mm., and $OD = +55.5$ mm., all to the right of O because all the differences are positive in sign. Then through the four points A, B, C, and D, we draw the four position-lines AA, BB, CC, and DD, perpendicular to the azimuths of the corresponding stars. These four star-lines will enclose a quadrilateral figure, within which we have next to choose a point Z so that a circle with Z as centre will be as nearly as possible tangent to all the four position-lines. This is easily done by trial and error with a pair of compasses. Then we can scale off ZP, perpendicular to OY, which gives us at once the required correction, in seconds of *arc*, to our assumed chronometer-error. If ZP is to the eastward of OY, we have assumed the chronometer too fast, and *vice versa*. We can also scale off ZQ, perpendicular to OX, which multiplied by the cosine of the latitude gives us the required correction to our assumed latitude, our true latitude being to the north or south of the assumed latitude according as Z is above or below OX. In our example (*see* p. 41), ZP measures 64 mm. and is to the eastward of OY, so that we have assumed the chronometer to be too fast by $\frac{64}{15} = 4.3$ secs.; in other words, since we assumed the chronometer to be 2 h. 5 m. 50 s. slow, the true-chronometer-error is 2h. 5m. 50s. + 4.3 secs., or 2h. 5m. 54.3s. slow on local mean time. Similarly scaling ZQ, we find it measures 37.0 mm., and the correction to our assumed latitude is therefore $37.0 \times \cos 29^\circ 51' = 37.0 \times 0.867 = 32.0''$, to be *added* to our assumed north latitude, because Z lies to the north of OX, giving as the true latitude $29^\circ 51' 0'' + 32.0''$, or $29^\circ 51' 32.0''$.

It may be interesting to consider the diagram a little further. It is obvious that neither the error in the assumed latitude, nor the magnitude of the assumed chronometer-error, can affect the size of the quadrilateral figure formed by the four position-lines; the only effect of variations in these data is to shift the position of the quadrilateral with reference to the axes. The factors which *do* affect the size of the quadrilateral figure are, firstly, error in the assumed constant altitude, and secondly, errors of observation.

An error in the assumed constant altitude, being itself a constant, will tend to throw out all the four bounding lines of the quadrilateral by equal distances from the point Z, or in other words, to increase

the radius of the circle described with Z as centre. The radius of the circle is, in fact, equal to the error in the assumed latitude multiplied by the secant of the latitude, and thus by scaling the radius from the diagram we can easily find the true altitude of observation; being careful to note that if the lines are displaced from the centre, Z , in the directions of the azimuths of the stars, the constant altitude assumed was too low, while if the lines are displaced from Z in directions opposite to the azimuths, the assumed altitude was too high. In our example, all the four position-lines are displaced from Z by about 13 mm. in the same direction as the azimuths, and the assumed constant altitude of observation is consequently too low by $13 \cos 29^\circ 51'$, or $11''$; in other words, the true constant altitude of observation was $59^\circ 59' 30'' + 11''$, or $59^\circ 59' 41''$.

Errors of observation may be expected to be irregular, and will therefore tend to throw the position-lines out unequally from the point Z . Thus the shape of the quadrilateral gives at a glance a very good idea of the precision of the observations; for if the observations are perfect, a circle with Z as centre can be made to touch all the four bounding lines at once, while with imperfect observations this will be impossible. In practice one chooses the point Z so that all the four lines shall be as nearly as possible tangent to a circle described from it as centre, the circle overlapping one pair of opposite sides of the quadrilateral by the same amount as it falls within the other pair, as is done in our example on page 41.

If four stars are observed, and it is found impossible to describe a circle so as to be nearly tangent to all the four bounding-lines of the quadrilateral, it may be taken as certain that either some one observation is a bad one, or a mistake has been made in the computation. A glance at the diagram will generally suggest some particular star as being the faulty one, and the computation for that star may be gone through again to try and find the mistake. But if the mistake is due to bad observation of some one star, we have frequently no means of finding out which star it is, since a circle can be drawn within the quadrilateral to touch *any* three of its sides. This is a strong argument for observing more than four stars; for if, say, eight stars are observed and one position-line stands out considerably from, or cuts considerably into, a circle which nearly touches all the others, it is certain that the observation represented by that one position-line is defective, and it may either be rejected altogether or considered as of less weight than the others in choosing the point Z .

EXAMPLE OF COMPUTATION OF LATITUDE AND CHRONOMETER-ERROR FROM ASTROLABE-OBSERVATIONS OF FOUR STARS,
ONE IN EACH QUADRANT.

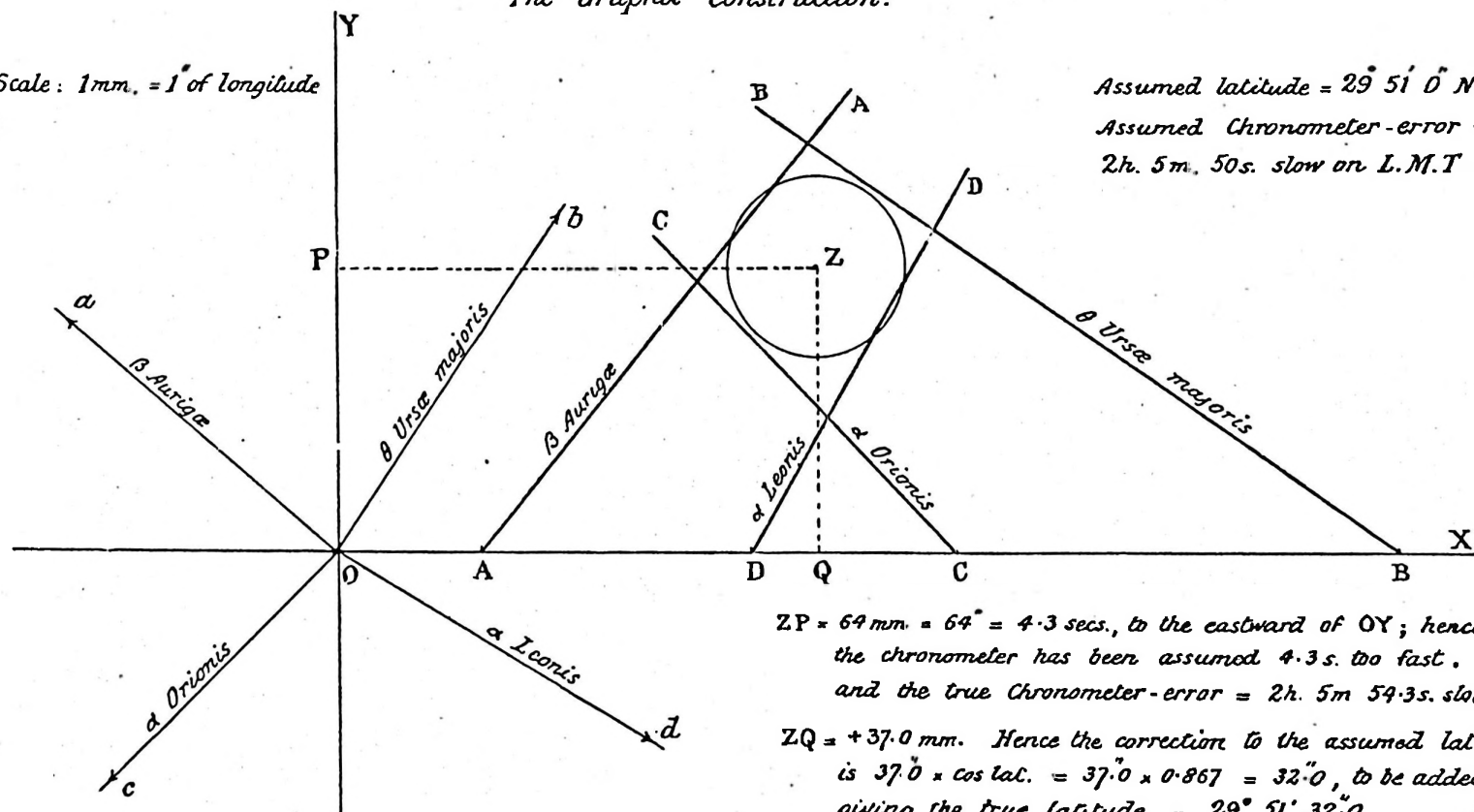
Helwân, approx. lat. $29^{\circ} 51' N.$; approx. long. 2 h. 5 m. E.

March 22, 1918.

β Aurigæ NW.				θ Ursæ majoris NE.				α Orionis SW.				α Leonis SE.			
R.A.	5 h. 53 m. 33.3 s.			R.A.	9 h. 27 m. 26.8 s.			R.A.	5 h. 50 m. 45.7 s.			R.A.	10 h. 4 m. 3.3 s.		
δ	+ $44^{\circ} 56' 33''.7$			δ	+ $52^{\circ} 3' 2''.3$			δ	+ $7^{\circ} 23' 29''.0$			δ	+ $12^{\circ} 21' 50''.7$		
Alt.	$\overset{\circ}{59} \overset{\circ}{59} \overset{\circ}{30}$			$\overset{\circ}{59} \overset{\circ}{59} \overset{\circ}{30}$				$\overset{\circ}{59} \overset{\circ}{59} \overset{\circ}{30}$				$\overset{\circ}{59} \overset{\circ}{59} \overset{\circ}{30}$			
Lat.	29 51 0	log sec.	0.0618149	29 51 0	0.0618149			29 51 0	0.0618149			29 51 0	0.0618149		
P.D.	45 3 26	log cosec.	0.1500817	37 56 58	0.2111489			82 36 31	0.0036238			77 38 9	0.0101915		
Sum	2)134 53 56			2)127 47 28				2)172 27 1				2)167 28 39			
$\frac{1}{2}$ Sum	67 26 58	log cos	$\bar{1}.5837636$	63 53 44	$\bar{1}.6434614$			86 13 30	$\bar{2}.8184801$			83 44 20	$\bar{1}.0376641$		
Alt.	$\overset{\circ}{59} \overset{\circ}{59} \overset{\circ}{30}$			$\overset{\circ}{59} \overset{\circ}{59} \overset{\circ}{30}$				$\overset{\circ}{59} \overset{\circ}{59} \overset{\circ}{30}$				$\overset{\circ}{59} \overset{\circ}{59} \overset{\circ}{30}$			
$\frac{1}{2}$ Sum — Alt.	7 27 28	log sin	$\bar{1}.1132598$	3 54 14	$\bar{2}.8330387$			26 14 0	$\bar{1}.6454496$			23 44 50	$\bar{1}.6049841$		
			2) $\bar{2}.9089200$		2) $\bar{2}.7494637$				2) $\bar{2}.5293684$				2) $\bar{2}.7146546$		
$\frac{1}{2}$ H.A.	16 32 38	log sin	$\bar{1}.4544600$	13 42 32	$\bar{1}.3747318$			10 35 58	$\bar{1}.2646842$			13 9 38	$\bar{1}.3573273$		
H.A.	33 5 16			27 25 4				21 11 56				26 19 16			
	h. m. s.			h. m. s.				h. m. s.				h. m. s.			
H.A. (time)	2 12 21.1			1 49 40.3				1 24 47.7				1 45 17.1			
R.A.	5 53 33.3			9 27 26.8				5 50 45.7				10 4 3.3			
L.S.T.	8 5 54.4	log cos δ	$\bar{1}.8499$	7 37 46.5	$\bar{1}.7888$			7 15 33.4	$\bar{1}.9964$			8 18 46.2	$\bar{1}.9898$		
S.T.L.M.N.	23 56 22.4	log sin H.A.	$\bar{1}.7371$	23 56 22.4	$\bar{1}.6632$			23 56 22.4	$\bar{1}.5583$			23 56 22.4	$\bar{1}.6468$		
S.T. Interval	8 9 32.0	log sec. alt.	0.3010	7 41 24.1	0.3010			7 19 11.0	0.3010			8 22 23.8	0.3010		
Calc. L.M.T.	8 8 11.8	log sin A.	$\bar{1}.8880$	7 40 7.9	$\bar{1}.7530$			7 17 59.0	$\bar{1}.8557$			8 21 1.5	$\bar{1}.9376$		
Obs. Chr. time	6 2 20.5			5 34 8.5				5 12 3.5				6 15 7.8			
Diff.	+2 5 51.3	A = $50^{\circ} 36' W.$ of N.		+2 5 59.4	$34^{\circ} 30' E.$ of N.			+2 5 55.5	$45^{\circ} 50' W.$ of S.			+2 5 53.7	$60^{\circ} 1' E.$ of S.		
Assumed chron. slow	2 5 50.0			2 5 50.0				2 5 50.0				2 5 50.0			
Reduced diff.	+ 1.3			+ 9.4				+ 5.5				+ 3.7			
Reduced diff. in arc	+ 19".5			+ 141".0				+ 82".5				+ 55".5			

The Graphic Construction.

Scale: 1 mm. = 1" of longitude



Allowance for Variations in the Refraction.

It will but seldom happen in practice that changes in the refraction, consequent on fluctuations in the air-pressure and temperature during a series of observations, will be sufficiently large to be sensible with the small-sized astrolabe; for at the altitude of 60° it requires a change of temperature of 15° F., or of nearly an inch in the barometric pressure, to cause a change of 1" in the refraction. It will consequently be unnecessary, as a general rule, to consider the actual amount of the refraction, for so long as it is constant its exact value is not required in the computation, any small error in its assumed constant value being entirely eliminated in the graphic construction. But it is a good plan, in all cases where the greatest possible accuracy is aimed at, to read the barometer and thermometer at the beginning and end of the series of observations, as well as at intermediate observations if the series is spread over a long period; and to examine, by reference to the refraction-tables on page 278, whether or not the change of refraction has been sufficiently sensible to require its being allowed for in the reductions. When the refraction for a particular star is found to differ by, say, 1" from that for the others of a series, it is most conveniently allowed for by making the corresponding alteration in the altitude assumed in calculating the time for that particular star. For example, if in the series computed on page 40 the refraction for α Orionis had been found to be 1" less than for the other stars, we could have allowed for this by increasing its altitude 1" as compared with that of the remaining stars in working out its calculated time.

Allowance for Rate of the Chronometer used.

In the above description of the manner of reducing the observations, it has been assumed that the rate of the chronometer was either *nil*, or so small as to be negligible compared with the errors of observation, during the time occupied by the observations. When the rate is not negligible, it is of course necessary to allow for it. This is most easily done at the stage where we have to make an assumption of the chronometer error (*see* p. 36); instead of subtracting a constant assumed chronometer-error from all the four computed times, we have merely to subtract the same error corrected for rate. Thus, for instance, in our example given above, let us suppose that the chronometer had been gaining one second per hour, instead of

having a negligible rate. The four stars were observed at the chronometer times 5h. 12m., 5h. 34m., 6h. 2m., and 6h. 15m., and we assumed the chronometer to be 2h. 5m. 50s. slow on local time throughout. But if the chronometer had been gaining one second per hour, and was 2h. 5m. 50s. slow at 5h. 12m., it would have been 2h. 5m. 49·6s. slow at 5h. 34m.; 2h. 5m. 49·2s. slow at 6h. 2m.; and 2h. 5m. 49·0s. at 6h. 15m. We should have only have had to substitute these figures for those previously used, in order to have allowed completely for the chronometer-rate.

Case where only Three Stars are observed.

As already mentioned (p. 5) it is always desirable that at least four stars should be observed in order to secure good fixation of a geographical position. But it may easily happen in practice that only three stars can be observed at a place, owing to clouds or other causes. In such a case, provided all the three observations are reliable, the position can be determined. The process with three stars is exactly the same as with four, except that in the graphic construction we have only three position-lines to deal with, and instead of choos-

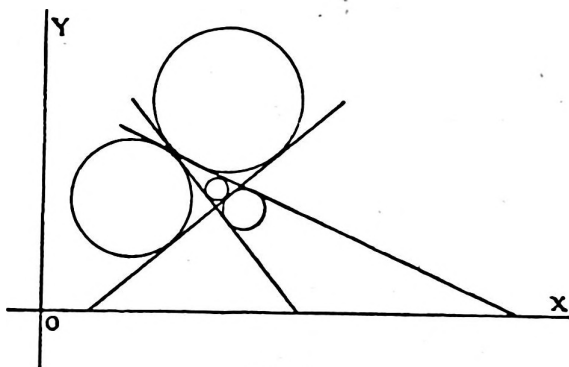


FIG. 6.

ing our point Z as the centre of a circle touching the four sides of a quadrilateral figure, we have to choose it as the centre of a circle touching three lines. This may seem to introduce a difficulty, for we can in general draw four different circles (Fig. 6) fulfilling this condition, and we require to know which of the four is the one to be chosen. All difficulty vanishes, however, if we remember that in the diagram the point Z represents the observer's zenith, and that the effect of a constant small change of altitude is to displace all the three stars equally from the zenith, either all three in the directions of their azimuths, or all three in the opposite directions to their azimuths. We may thus use the known fact that our assumed constant altitude is not quite the true one, to determine which of the four possible circles is the one to be employed in solving the problem. For we have only to mark the three position-lines with arrows

showing the corresponding azimuths, in order to see at a glance which circle will fulfil the condition that all the azimuths shall point directly to, or directly from, its centre; and that circle is the one to be chosen.

Thus let us suppose that in our former example only the three stars in the NW., NE., and SW.

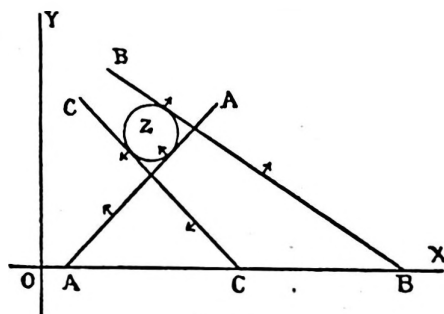


FIG. 7.

quadrants had been observed. On plotting the graphic construction we should then have only the three position-lines, AA, BB, and CC. In Figs. 7 and 8 these position-lines are shown with the corresponding azimuths indicated by arrows; and we can at once see that the circle would be wrongly placed in Fig. 7, and correctly in Fig 8, because in the former case one azimuth would point to the centre of the circle and the other two away from it, while in the latter case all three azimuths point away from the centre of the circle.

It might at first sight appear that when only three stars are observed, the construction does not allow of any check on

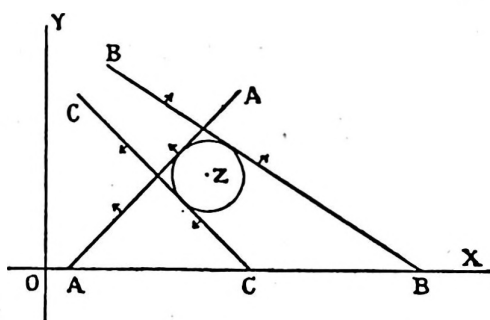


FIG. 8.

the accuracy of the observations, such as is afforded with four or more stars by noticing whether a circle will nearly touch all the four lines. And this is actually the case unless we know pretty exactly the angle of the prism used. But if previous observations have been taken with the same instrument under similar conditions, and worked out with the same assumed constant altitude, the deviation of the true constant altitude from the assumed one will be known, and is, except for slight variations due to changes in the refraction, constant for the same instrument. This is expressed in the graphic construction by the radius of the circle, of which Z is the centre, being sensibly constant for the same instrument when the same constant altitude is assumed in working out the results.

Whenever, therefore, only three stars are observed, it is a useful check to examine whether the radius of the circle which touches the three position-lines is in fairly close agreement with that found

in other observations under similar conditions with the same instrument and the same assumed constant altitude. For if it is not, it is tolerably certain either that one of the observations is a bad one, or that a mistake has been made in the computation. In the latter case, a revision of the computation will detect the mistake and it can be remedied.

Though the above useful check should never be neglected, it is necessary to point out that it does not afford a test in *all* cases, even if the prism-angle and refraction are known with extreme accuracy. It fails entirely to

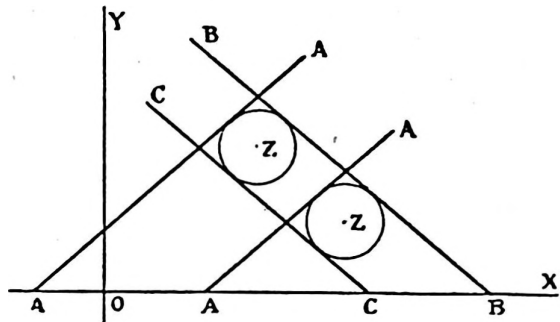


FIG. 9.

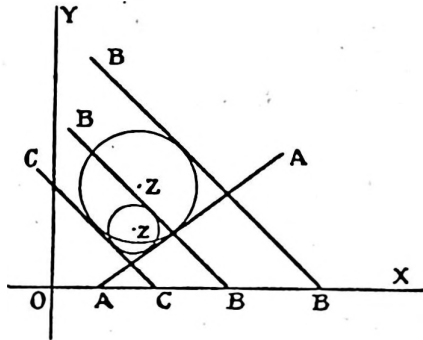


FIG. 10.

detect a mistake, however large, in the observation or reduction of a particular star, if the remaining two stars differ in azimuth by about 180° . This will be readily seen from Fig. 9, where the position-line, AA, may be in either of the two places shown without affecting the radius of the circle round Z. Had the mistake been connected with one of the stars observed in opposite quadrants, as in the position-line, BB, in Fig. 10, the variation in the diameter of the circle would at once have rendered the mistake apparent.

Case where only Two Stars are observed.

Under certain conditions a fairly exact determination of latitude and time can be made from astrolabe-observations of only two stars. The conditions necessary for this to be possible are:—

- (1) The constant altitude at which the two stars are observed must be accurately known.
- (2) Neither star must be very near to the meridian.
- (3) The azimuths of the two stars must differ by about 90° .

The reasons for the first of these conditions being necessary will be easily grasped by considering the graphic diagram for four

stars, Fig. 5 on page 37. In that diagram the point Z is located as the centre of a circle touching four lines, and the radius of the

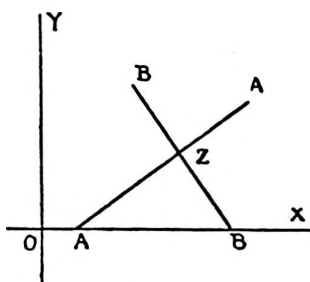


FIG. 11.

circle, as has been explained, depends on the error in the assumed constant altitude of observation. If the assumed constant altitude is the *true* altitude, then the radius of the circle becomes zero, and the point Z can be located by the intersection of any *two* of the position-lines (Fig. 11), that is, from any two star-observations.

The second condition, that neither of the two stars observed shall be near the meridian, is a practical rather than a theoretical one. It arises from the circumstance that with a star very near to the meridian a very small change of altitude corresponds to a relatively large change in azimuth and time; and consequently with such a star a very small error in the latitude of the place would lead to errors in the computed time and azimuth of passage of sufficient magnitude to render the graphic solution sensibly inaccurate. By keeping to stars at least 20° from the meridian, however, we avoid any risk of inaccuracy in drawing the graphic construction from the computed data, notwithstanding any reasonable amount of error in the assumed latitude of the place.

The third condition, that the stars should differ by about 90° in azimuth, is clearly dictated by the consideration that the point Z in the diagram will be the more accurately located, the more nearly the angle between the two position-lines approaches right-angles. If the two lines intersect very acutely, minute errors both of observation and of plotting, as well as any small residual uncertainty in the altitude, will exercise a relatively large influence on the accuracy of the result.

We will now consider how best to fulfil these conditions in practice; and firstly, as regards the constant altitude of observation. We have seen that in the case where four or more stars were observed, the graphic construction gave the true altitude of observation by measuring the radius of the circle described with Z as centre. Except for variations in refraction, the true altitude is always the same with the same instrument if the observations are properly taken; and consequently if several sets of four or more stars have already been observed with a particular astrolabe, the constant altitude of observation for that astrolabe under known conditions of tem-

perature and pressure will be known within 1" or so. We have then only to correct that altitude for any change of refraction due to the conditions under which our two stars are observed, in order to obtain a very close approximation indeed to the true constant altitude of our observations. For instance, on page 39 we found that the true constant altitude at which four stars were observed was $59^{\circ} 59' 41''$, and let us suppose that this was with a barometer-reading of 29 inches and thermometer-reading of 70° F. To find the constant altitude for the same instrument with the barometer at 30 inches and the thermometer at 50° F., we have merely to remember that at altitude 60° each increase of one inch in the barometer-reading will increase the refraction by $1''.12$, while each diminution of 1° F. of temperature will increase the refraction by $0''.067$. Under the new conditions the refraction will consequently be increased by about $2''$, so that the *true* altitude will be $2''$ less than under the old conditions, or $59^{\circ} 59' 39''$. A convenient table for ascertaining the refraction at the altitude of 60° under various conditions of temperature and pressure is given on p. 278.

In regard to the other two conditions, that neither star should be near the meridian and that the difference of the azimuths of the two stars should be somewhere about 90° , both these conditions will be sufficiently fulfilled, provided the two stars employed are contained in adjacent quadrants in the tables.

The two-star observation with the astrolabe will of course never be employed where great accuracy is required, nor where it is possible to observe a larger number of stars. But on exploratory work it sometimes happens that it is only possible to remain one night at a place; and if the night is too cloudy for an extended set of observations it may still be possible to observe two stars and thus get a fairly close approximation to the position, instead of being forced to abandon the observation altogether. If the constant altitude of the instrument has been well determined from previous observations, the resulting latitude and time from a satisfactory observation of only two stars may be expected to be within about $5''$ and 0.3 second respectively of the truth, and this is frequently as near as the position can be plotted on exploratory maps. The computation should always be gone through twice, preferably by two independent computers; for mistakes in the computation of only two stars cannot be detected in the graphic construction, and are hence absolutely fatal to accuracy.

CHAPTER VI.

REMARKS ON THE COMPARATIVE MERITS OF THE ASTROLABE, SEXTANT, AND THEODOLITE AS INSTRU- MENTS FOR DETERMINING GEOGRAPHICAL POSITION.

Experience on recent boundary and other surveys has shown that a higher degree of precision of latitude and time is obtainable by the use of the astrolabe than by any of the methods ordinarily practised with the sextant or theodolite. This is especially true of the larger types of astrolabe, but the statement also holds good, though of course to a lesser extent, of observations with the smallest type of astrolabe, with which alone this handbook is concerned.

In enquiring into the reasons for this enhanced precision, we must remember that the astrolabe makes use of the principle of equal altitudes, a principle not peculiar to the astrolabe, but also capable of being used with either a sextant or theodolite, though up till very recently the principle has but seldom been employed with the last two instruments. We are thus led to ask at the outset whether the great success of the astrolabe is due to something characteristic of the instrument itself, or to the fact that it employs the principle of equal altitudes. In order to answer this question, we must compare the precision of the results achieved by the astrolabe, not with those attained by the sextant and theodolite when used in methods which make use of *absolute* altitudes, but with those obtainable from these instruments by the method of *equal* altitudes; in which latter method, of course, all circle-readings are dispensed with.

Comparison of Astrolabe and Sextant.

Taking first the comparison with the sextant, there is but little direct experience to guide us. For although one of the earliest applications of the principle of equal altitudes to the simultaneous determination of latitude and time was a sextant-observation by Gauss in 1808,* the principle has never been made use of in the ordinary practice of hydrographic surveyors, who are the chief users of the sextant for determining position, but has remained to this day of

* See CHAUVENET, "Spherical and Practical Astronomy," 5th Edition, Philadelphia, 1891, Vol. I, p. 284.

merely academic importance so far as the sextant has been concerned. All modern improvements in the sextant, such as the provision of convenient stands, and improvements in the precision of graduation of the arc and vernier, have been designed to increase the accuracy of the measurement of *absolute* altitude, on which everything depends in the case of the methods ordinarily employed; while in using the principle of *equal* altitudes, we are not concerned with measuring what the altitudes actually are, but only with ensuring that they shall all be really equal, and consequently the perfection of graduation of the arc is of no importance in this connection.

But although we have no actual measured comparisons on which to base our conclusion, we may nevertheless form a sound judgment as to the relative merits of the astrolabe and the sextant from our knowledge of the construction of the instruments and of the methods of handling them in the field. We have only to ask ourselves whether, given a first-class sextant on a stand, clamped at an altitude of 60° , we could note the times at which star-images passed each other in the field of view with the same precision as we could note the corresponding times when using an astrolabe. The answer is surely in the negative. For although with the sextant used in this manner we eliminate almost all the usual sources of error which occur in ordinary observations with the instrument, such as uncertainties of index-error, refraction, and circle-errors; and although in the sextant, as in the astrolabe, the images pass each other with double the velocity of movement of either of them; yet the telescopic power which can be used with a sextant is inferior to that of the astrolabe. And the convenience of observing, which is a considerable factor in securing accurate timing, is certainly much greater with the astrolabe, where one looks horizontally through the telescope, than with the sextant, where the sight is steeply inclined. It may reasonably be doubted, also, whether a sextant clamped at a fixed angle really gives an altitude of quite the same constancy for the different stars as that given by the astrolabe, owing to the difference in construction of the two instruments.

The sextant has one advantage over the astrolabe, in that the constant altitude can be *varied* for different sets of observations, instead of being confined rigidly to a single value; and occasionally this might be a convenience by permitting of a better selection of stars, or by avoiding clouds. But, generally, if the sky is clear at lower altitudes it is clear at 60° , and by keeping to the fixed altitude

of 60° there is the great advantage of being able to prepare one's programme quickly from the star-tables given in this book for that altitude, instead of either incurring the labour of calculating a special programme for some other altitude, or waiting patiently for stars to enter the field.

There is, we think, no doubt that even without the use of the astrolabe, a very considerable improvement in the precision of fixation of positions of shore-stations on hydrographic surveys might be attained by abandoning the usual practice of measuring absolute star-altitudes, and using the sextant for the method of *equal* altitudes, preferably employing 60° as the constant altitude of observation and making use of the star-tables and methods of reduction given in this handbook, exactly as if an astrolabe were employed. The use of the equal-altitude principle does away with practically all instrumental errors, which are never entirely eliminated by other methods, and is at the same time more easily carried out because it involves no circle-readings whatever. Hitherto the considerable amount of preliminary labour which has had to be gone through in preparing star-lists for observation has probably deterred many surveyors from taking up the equal-altitude method, even when they were convinced of the superior accuracy of the results obtainable. Our star-tables, by reducing the work of preparation of a programme for an altitude of 60° to a matter of only a few minutes, will, we trust, go far to remove this difficulty; and the process of computation which we have introduced is so simple and rapid that the work of reducing a set of equal altitudes by its means is actually shorter and less laborious than that of computing the time from altitudes of a pair of east and west stars and the latitude from a set of circummeridian altitudes.

The remarks which we shall make further on, as to the advantage of the theodolite in cases where stars can only be occasionally observed through rifts in the clouds, apply also to the sextant, but in a somewhat less degree, because owing to the artificial horizon having to be moved it is not so easy with the sextant as with the theodolite to swing rapidly round from one star to another.

Comparison of Astrolabe and Theodolite.

The principle of equal altitudes has been employed with the theodolite to a considerable extent in recent surveys in Egypt, and there is consequently a much better experimental basis for comparing

the relative merits of the astrolabe and theodolite than is the case with the astrolabe and sextant. It may be stated at the outset that the results of the equal-altitude method with the theodolite have proved it to be so convenient in the field, and have given so much more precision in the determination of latitude and time, that the old methods of meridian and circummeridian altitudes for latitude, and altitudes of east and west stars for time, have been to a large extent abandoned.* This proves that the enhanced accuracy of the astrolabe results as compared with those of the theodolite is at least in part due to the astrolabe making use of the principle of equal altitudes, and not entirely to any inherent quality in the construction of the astrolabe itself.

With the object of examining the relative precision of observations of the passage of star-images with the astrolabe, as compared with observations of the passage of stars over the horizontal wire of a 5-inch Troughton & Simms theodolite in the method of equal altitudes, we carried out a series of observations at Helwân Observatory on four nights during July 1917. The approximate constant altitude chosen for the theodolite-observations was 30° , because this altitude is convenient for observation with the ordinary eyepiece of the theodolite, whereas to have adopted the altitude of 60° as in the astrolabe would have involved the use of the diagonal eyepiece.† The telescopic power of the theodolite was approximately the same as that of the astrolabe. The level on the microscope-arm of the theodolite had a movement of one division for each $5''$ of tilt, and the positions of the ends of the bubble were estimated to tenths of a division. The programmes were prepared so as to observe on each night an equal number of stars of about the same brightness, at about equal intervals of time, with each of the two instruments, and each of us observed half the total number of stars with each instrument. The times in all cases were taken on the same chronometer, using the Dent "time-of-flight" watch. In all, fifty observations were made with the small-sized astrolabe,

* See "Modern Methods of Finding the Latitude with a Theodolite" in the "Geographical Journal," XLIX (1917), p. 440; the matter is also discussed in a paper on "Theodolite Observations for Time and Azimuth on Exploratory Triangulation-surveys" to be published by the Royal Geographical Society after the war.

† The diagonal eyepiece usually has only half the magnification of the higher-power direct eyepiece in English theodolites, and this is one of the reasons for preferring not to employ the diagonal eyepiece where its use can be avoided.

and fifty-five with the theodolite. On computation of the results, it was found that the probable deviation of a single observation from a constant altitude was $3''.2$ with the astrolabe, and $5''.4$ with the theodolite.

These deviations are larger than we expected with either instrument. In the case of the astrolabe, our observations were made before either of us had had much practice with the instrument; and in the case of the theodolite, the accuracy was doubtless influenced to some extent by the fact that a ruled glass diaphragm was used in the eyepiece, instead of the usual spider-lines. With more experience with the astrolabe, and a fine spider-line diaphragm in the theodolite, it is likely that the deviations would be considerably smaller. But the results represent very fairly, we think, the relative precision of observations with the two instruments under good field conditions, and show conclusively the advantage of the astrolabe.

The greater precision of the results in the case of the astrolabe is doubtless due in the main to two factors. Firstly, the doubly-rapid relative motion of the star-images in the astrolabe as compared with the motion of the single image relative to the fixed wire in the theodolite; and secondly, the non-dependence of the astrolabe on level-readings. With the theodolite there is always a little uncertainty as to whether the bubble occupies exactly the same position at the moment of reading it, immediately after the observation, as it did at the instant when the star was observed. We are inclined to think that this second factor is the more important of the two. Both factors are, of course, due to inherent differences in the instruments used, and we conclude that while the precision obtainable with the astrolabe as compared with the usual methods of observing latitude and time with the theodolite is in part due to the employment of the principle of equal altitudes, it is also partly due to the peculiar construction of the astrolabe, which renders it a better instrument for the application of the equal-altitude principle than the theodolite.

There can thus be no question that where the essential object of a surveyor is to determine latitude and time with the greatest possible precision, he should prefer the astrolabe to the theodolite for the purpose. In particular, this will mostly be the case on boundary surveys and in observations either for the control of triangulation or for determining fundamental positions on land or marine surveys with the aid of wireless time-signals. In such work everything must give way to precision, and questions of transport or of the time

which may have to be spent in waiting for suitable weather-conditions are relatively minor considerations.

The case may be otherwise on reconnaissances and exploratory surveys, where only *good* fixation of positions, and not the highest obtainable precision, is required, while economy of time and transport are of great importance. The theodolite may then be much to be preferred to the astrolabe, because of the far greater variety of observations practicable with it. A great drawback to the astrolabe, where time is a great consideration, is the fact that it can only be used to observe stars at a fixed altitude of 60° , whereas with the theodolite we may observe stars at any altitude we please; and it may easily happen that during an interval of the night which is free from clouds, or otherwise well fitted for observation, stars crossing the 60° altitude-circle are few in number, while abundance of stars can be observed at other altitudes. Further, while the astrolabe cannot be used for any other purpose than to determine latitude and time,* the theodolite can be employed in terrestrial as well as celestial observations; and if economy of transport is a great consideration and only one instrument can be taken, the theodolite should always be chosen rather than the astrolabe. The theodolite has yet another advantage over the astrolabe in its stability in a moderate wind. Our experience with the astrolabe is that in anything approaching what sailors call a "fresh breeze," observations are quite impossible, even when the wind-screen is employed, unless the instrument is exceptionally well sheltered. Under similar conditions a five-inch theodolite on framed legs is quite stable in the open; and even in a strong head-wind laden with sand, the inaccuracy of observation with the theodolite is not very great, being due more to the inconvenience of observing than to tremor of the instrument itself.

When only one night can be spent at each camp, as for instance usually happens on military reconnaissances in desert regions, it would be folly to rely entirely on the astrolabe, unless it is certain that cloudless skies and moderately still air may be depended on, which is seldom the case. The whole night may be too cloudy or too windy for astrolabe observations to be possible, and then unless the surveyor employs some other instrument there is no chance whatever of fixing

* The astrolabe cannot even be used to determine azimuth, since it cannot be accurately pointed on to a terrestrial referring-mark.

his position. But even on very cloudy nights there may occur rifts in the clouds through which stars can be seen for a few minutes at some time or other, and the surveyor who keeps a watch for these and knows his stars well, and is besides versed in a variety of methods which can be practised with the theodolite, will be able to determine his position with tolerable precision, instead of remaining ignorant of his whereabouts. We have deliberately rejected the astrolabe from use on recent military reconnaissances for the above reason, employing a 5-inch theodolite instead, using the equal-altitude principle wherever possible; in many cases, however, we have had to abandon the use of the equal-altitude method altogether, by reason of the sky never remaining clear for a sufficient time for equal-altitude observations to be taken, and have been forced back on to absolute altitudes of circumpolar or circummeridian stars for latitude, and altitudes of east and west stars for time. Whenever it has been practicable to employ the method of equal altitudes with the theodolite, the results have not been so very far behind those which could have been obtained by the astrolabe in precision; and in other cases, a latitude within 10", and a longitude within one second of time, have generally been determined, even when stars have only been visible for short periods at fairly long intervals.

The small-sized astrolabe is, however, so light and portable (weighing less than thirty pounds all complete) that it will comparatively seldom happen that the small extra transport required for it will not be available on exploratory expeditions, and we recommend that whenever possible both astrolabe and theodolite should form part of the equipment of such expeditions. It will then be practicable for the explorer, by using the astrolabe whenever the weather-conditions permit, to determine a number of positions on his route with greater ease and accuracy than would be possible to him if only the theodolite were taken, while the latter instrument will serve to fix his position under circumstances which render the astrolabe inapplicable, as well as to carry out terrestrial observations.

STAR-TABLES

FOR USE WITH THE PRISMATIC ASTROLABE.

GIVING THE APPROXIMATE LOCAL SIDEREAL TIMES AND AZIMUTHS AT WHICH NAUTICAL ALMANAC STARS, OF MAGNITUDE 4·0 AND BRIGHTER, CROSS THE ALTITUDE-CIRCLE OF 60° , AT AZIMUTHS WITHIN THE MIDDLE 40° OF EACH QUADRANT, FOR EACH DEGREE OF LATITUDE FROM 55° NORTH TO 55° SOUTH.

These tables comprise all the stars of magnitude 4·0 and brighter whose apparent places are given in the "Nautical Almanac" for 1918, and which cross the altitude circle of 60° within the limits of azimuth mentioned above.

Stars printed in italics are such as cross the 60° altitude-circle outside the middle 40° of the quadrants.

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Aurigæ ...	0.2	2 6	88
σ Ursæ Majoris	3.5	4 34	55
θ Ursæ Majoris	3.3	6 2	74
α Ursæ Majoris	2.0	7 6	52
β Ursæ Majoris	2.4	7 17	64
δ Ursæ Majoris	3.4	8 29	62
ϵ Ursæ Majoris	1.7	9 11	65
α Draconis ...	3.6	10 5	47
β Ursæ Minoris	2.2	10 50	27
γ^2 Ursæ Minoris	3.1	11 18	32
ι Draconis ...	3.5	11 37	59
η Draconis ...	2.9	12 31	54
ζ Draconis ...	3.2	13 10	45
γ Draconis ...	2.4	14 32	75
δ Draconis ...	3.2	15 11	42
α Cephei ...	2.6	17 24	52
β Cephei ...	3.3	17 25	36
ζ Cephei ...	3.6	18 25	62
β Cassiopeiæ ...	2.4	20 20	60
α Cassiopeiæ ...	2.5	20 58	65
γ Cassiopeiæ ...	2.3	21 3	56
δ Cassiopeiæ ...	2.8	21 32	58
ϵ Cassiopeiæ ...	3.4	21 54	50
γ Persei ...	3.1	23 29	71

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Persei ...	2.9	2 2	130
ι Aurigæ ...	2.9	2 55	125
β Tauri ...	1.8	4 3	144
α Geminorum ...	2.0	5 38	128
β Geminorum ...	1.2	6 24	145
40 Lyncis ...	3.3	7 7	119
12 Canum Venat.	2.9	10 20	107
ρ Boötis ...	3.8	12 48	134
δ Boötis ...	3.5	13 10	123
ϵ Boötis ...	2.7	13 35	150
α Coronæ Boreal.	2.3	14 31	153
ζ Herculis ...	3.0	14 49	129
ϵ Herculis ...	3.9	15 15	132
μ Herculis ...	3.5	16 33	148
γ Lyræ ...	3.3	17 3	127
β Cygni ...	3.2	18 17	148
ϵ Cygni ...	2.6	18 41	123
ζ Cygni ...	3.4	19 36	137
η Pegasi ...	3.1	21 7	138
β Pegasi ...	2.5	21 52	149
α Andromedæ ...	2.2	22 45	144
β Andromedæ ...	2.4	22 53	117
δ Andromedæ ...	3.5	22 58	135
β Trianguli ...	3.1	23 57	119

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Pegasi	2.5	0 8	211
η Pegasi	3.1	0 11	222
α Andromedæ ...	2.2	1 23	216
δ Andromedæ ...	3.5	2 12	225
β Andromedæ ...	2.4	3 17	243
β Trianguli ...	3.1	4 13	241
ζ Persei	2.9	5 36	230
β Tauri	1.8	6 39	216
ι Aurigæ	2.9	6 49	235
θ Aurigæ	2.7	8 18	249
β Geminorum ...	1.2	8 56	215
α Geminorum ...	2.0	9 20	232
40 Lyncis	3.3	11 25	241
12 Canum Venat.	2.9	15 24	253
ε Boötis	2.7	15 47	210
ρ Boötis	3.8	16 8	226
α Coronæ Boreal.	2.3	16 31	207
δ Boötis	3.5	17 14	237
ζ Herculis	3.0	18 27	231
ε Herculis	3.9	18 39	228
μ Herculis	3.5	18 53	212
β Cygni	3.2	20 37	212
γ Lyræ	3.3	20 49	233
ζ Cygni	3.4	22 42	223
ε Cygni	2.6	22 45	237

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Cephei	2.6	1 10	308
β Cephei	3.3	1 31	324
ζ Cephei	3.6	1 51	298
β Cassiopeiæ ...	2.4	3 50	300
α Cassiopeiæ ...	2.5	4 14	295
γ Cassiopeiæ ...	2.3	4 41	304
δ Cassiopeiæ ...	2.8	5 8	302
ε Cassiopeiæ ...	3.4	5 44	310
γ Persei	3.1	6 29	289
α Aurigæ	0.2	8 16	272
ο Ursæ Majoris	3.5	12 14	305
θ Ursæ Majoris	3.3	12 52	286
β Ursæ Majoris	2.4	14 37	296
α Ursæ Majoris	2.0	14 52	308
δ Ursæ Majoris	3.4	15 53	298
ε Ursæ Majoris	1.7	16 29	295
α Draconis	3.6	17 59	313
β Ursæ Minoris	2.2	18 52	333
ι Draconis	3.5	19 9	301
γ ² Ursæ Minoris	3.1	19 24	328
η Draconis	2.9	20 15	306
ζ Draconis	3.2	21 8	315
γ Draconis	2.4	21 18	285
δ Draconis	3.2	23 13	318

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Aurigæ ...	0.2	2 7	87
\circ Ursæ Majoris	3.5	4 39	54
θ Ursæ Majoris	3.3	6 4	73
α Ursæ Majoris	2.0	7 12	51
β Ursæ Majoris	2.4	7 21	63
δ Ursæ Majoris	3.4	8 33	61
ϵ Ursæ Majoris	1.7	9 14	64
ζ^1 Ursæ Majoris	2.4	9 48	66
α Draconis ...	3.6	10 11	46
β Ursæ Minoris	2.2	11 3	26
γ^2 Ursæ Minoris	3.1	11 29	31
ι Draconis ...	3.5	11 41	58
η Draconis ...	2.9	12 36	53
ζ Draconis ...	3.2	13 17	44
γ Draconis ...	2.4	14 34	74
δ Draconis ...	3.2	15 19	41
α Cephei ...	2.6	17 30	51
β Cephei ...	3.3	17 35	35
ζ Cephei ...	3.6	18 29	61
β Cassiopeiæ ...	2.4	20 24	59
α Cassiopeiæ ...	2.5	21 1	64
γ Cassiopeiæ ...	2.3	21 8	55
δ Cassiopeiæ ...	2.8	21 37	57
ϵ Cassiopeiæ ...	3.4	22 0	49
γ Persei ...	3.1	23 32	70

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Persei ...	2.9	1 57	127
ι Aurigæ ...	2.9	2 50	122
β Tauri ...	1.8	3 54	140
α Geminorum ...	2.0	5 33	125
ϵ Geminorum ...	3.2	5 53	159
β Geminorum ...	1.2	6 16	141
λ Lyncis ...	3.3	7 3	116
ι Canum Venat.	2.9	10 18	105
ρ Boötis ...	3.8	12 42	130
δ Boötis ...	3.5	13 6	120
ϵ Boötis ...	2.7	13 25	145
α Coronæ Boreal.	2.3	14 19	147
ζ Herculis ...	3.0	14 44	126
ϵ Herculis ...	3.9	15 9	129
μ Herculis ...	3.5	16 23	143
γ Lyræ ...	3.3	16 58	124
β Cygni ...	3.2	18 7	143
ϵ Cygni ...	2.6	18 37	120
ζ Cygni ...	3.4	19 30	134
η Pegasi ...	3.1	21 0	134
β Pegasi ...	2.5	21 42	144
α Andromedæ ...	2.2	22 36	139
β Andromedæ ...	2.4	22 50	115
δ Andromedæ ...	3.5	22 52	131
β Trianguli ...	3.1	23 53	117

SW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
η Pegasi ...	3.1	0 17	226
β Pegasi ...	2.5	0 18	216
α Andromedæ ...	2.2	1 32	221
δ Andromedæ ...	3.5	2 18	229
β Andromedæ ...	2.4	3 20	245
β Trianguli ...	3.1	4 17	243
ζ Persei ...	2.9	5 41	233
β Tauri ...	1.8	6 48	220
ι Aurigæ ...	2.9	6 54	238
ε Geminorum ...	3.2	7 25	201
β Geminorum ...	1.2	9 4	219
α Geminorum ...	2.0	9 25	235
40 Lyncis ...	3.3	11 29	244
12 Canum Venat.	2.9	15 26	255
ε Boötis ...	2.7	15 57	215
ρ Boötis ...	3.8	16 14	230
α Coronæ Boreal.	2.3	16 43	213
δ Boötis ...	3.5	17 18	240
ζ Herculis ...	3.0	18 32	234
ε Herculis ...	3.9	18 45	231
μ Herculis ...	3.5	19 3	217
β Cygni	3.2	20 47	217
γ Lyræ ...	3.3	20 54	236
ζ Cygni ...	3.4	22 48	226
ε Cygni ...	2.6	22 49	240

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Cephei ...	2.6	1 4	309
β Cephei ...	3.3	1 21	325
ζ Cephei ...	3.6	1 47	299
β Cassiopeiæ ...	2.4	3 46	301
α Cassiopeiæ ...	2.5	4 11	296
γ Cassiopeiæ ...	2.3	4 36	305
δ Cassiopeiæ ...	2.8	5 3	303
ε Cassiopeiæ ...	3.4	5 38	311
γ Persei ...	3.1	6 26	290
α Aurigæ ...	0.2	8 15	273
ο Ursæ Majoris	3.5	12 9	306
θ Ursæ Majoris	3.3	12 50	287
β Ursæ Majoris	2.4	14 33	297
α Ursæ Majoris	2.0	14 46	309
δ Ursæ Majoris	3.4	15 49	299
ε Ursæ Majoris	1.7	16 26	296
ζ ¹ Ursæ Majoris	2.4	16 54	294
α Draconis ...	3.6	17 53	314
β Ursæ Minoris	2.2	18 39	334
ι Draconis ...	3.5	19 5	302
γ ² Ursæ Minoris	3.1	19 13	329
η Draconis ...	2.9	20 10	307
ζ Draconis ...	3.2	21 1	316
γ Draconis ...	2.4	21 16	286
δ Draconis ...	3.2	23 5	319

NE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h	m.	°
α Aurigæ	0.2	2	7	85
\circ Ursæ Majoris	3.5	4	44	53
θ Ursæ Majoris	3.3	6	6	71
α Ursæ Majoris	2.0	7	17	50
β Ursæ Majoris	2.4	7	24	61
δ Ursæ Majoris	3.4	8	37	60
ϵ Ursæ Majoris	1.7	9	18	62
ζ^1 Ursæ Majoris	2.4	9	51	64
α Draconis ...	3.6	10	18	45
β Ursæ Minoris	2.2	11	18	25
γ^2 Ursæ Minoris	3.1	11	41	30
ι Draconis ...	3.5	11	46	56
η Draconis ...	2.9	12	42	51
ζ Draconis ...	3.2	13	24	43
γ Draconis ...	2.4	14	36	73
δ Draconis ...	3.2	15	27	39
α Cephei	2.6	17	35	50
β Cephei	3.3	17	45	34
ζ Cephei	3.6	18	33	59
β Cassiopeiæ ...	2.4	20	29	57
α Cassiopeiæ ...	2.5	21	5	63
γ Cassiopeiæ ...	2.3	21	13	54
δ Cassiopeiæ ...	2.8	21	42	55
ϵ Cassiopeiæ ...	3.4	22	6	48
γ Persei	3.1	23	34	69

SE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h	m.	°
ζ Persei	2.9	1	52	124
ι Aurigæ	2.9	2	46	119
β Tauri	1.8	3	47	136
α Geminorum ...	2.0	5	28	122
ϵ Geminorum ...	3.2	5	40	152
β Geminorum ...	1.2	6	8	137
γ^1 Lyncis	3.3	6	59	113
ϵ Leonis	3.1	8	55	159
ι^2 Canum Venat.	2.9	10	16	103
ρ Boötis	3.8	12	37	127
δ Boötis	3.5	13	3	117
ϵ Boötis	2.7	13	16	140
α Coronæ Boreal.	2.3	14	10	142
ζ Herculis	3.0	14	39	123
ϵ Herculis	3.9	15	4	126
δ Herculis	3.2	16	15	154
μ Herculis	3.5	16	15	139
γ Lyræ	3.3	16	53	121
β Cygni	3.2	17	59	138
ϵ Cygni	2.6	18	33	117
ζ Cygni	3.4	19	24	130
η Pegasi	3.1	20	54	130
ι Pegasi	4.0	21	7	154
β Pegasi	2.5	21	34	139
μ Pegasi	3.7	22	1	159
α Andromedæ ...	2.2	22	29	135
δ Andromedæ ...	3.5	22	46	128
β Trianguli ...	3.1	23	50	114

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η Pegasi ...	3.1	0 23	230
β Pegasi ...	2.5	0 26	221
α Andromedæ ...	2.2	1 39	225
δ Andromedæ ...	3.5	2 24	232
β Andromedæ ...	2.4	3 24	248
β Trianguli ...	3.1	4 20	246
ζ Persei ...	2.9	5 46	236
β Tauri ...	1.8	6 55	224
ι Aurigæ ...	2.9	6 58	241
ϵ Geminorum ...	3.2	7 38	208
β Geminorum ...	1.2	9 12	223
α Geminorum ...	2.0	9 30	238
ϵ Leonis ...	3.1	10 27	201
40 γ Lyncis ...	3.3	11 33	247
12 α Canum Venat. ...	2.9	15 28	257
ϵ Boötis ...	2.7	16 6	220
ρ Boötis ...	3.8	16 19	233
α Coronæ Boreal. ...	2.3	16 52	218
δ Boötis ...	3.5	17 21	243
δ Herculis ...	3.2	18 9	206
ζ Herculis ...	3.0	18 37	237
ϵ Herculis ...	3.9	18 50	234
μ Herculis ...	3.5	19 11	221
β Cygni ...	3.2	20 55	222
γ Lyræ ...	3.3	20 59	239
ϵ Cygni ...	2.6	22 53	243
ζ Cygni ...	3.4	22 54	230
ι Pegasi ...	4.0	22 59	206
μ Pegasi ...	3.7	23 31	201

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Cephei ...	2.6	0 59	310
β Cephei ...	3.3	1 11	326
ζ Cephei ...	3.6	1 43	301
β Cassiopeiæ ...	2.4	3 41	303
α Cassiopeiæ ...	2.5	4 7	297
γ Cassiopeiæ ...	2.3	4 31	306
δ Cassiopeiæ ...	2.8	4 58	305
ϵ Cassiopeiæ ...	3.4	5 32	312
γ Persei ...	3.1	6 24	291
α Aurigæ ...	0.2	8 14	275
σ Ursæ Majoris ...	3.5	12 4	307
θ Ursæ Majoris ...	3.3	12 48	288
β Ursæ Majoris ...	2.4	14 30	299
α Ursæ Majoris ...	2.0	14 41	310
δ Ursæ Majoris ...	3.4	15 45	300
ϵ Ursæ Majoris ...	1.7	16 22	298
ζ^1 Ursæ Majoris ...	2.4	16 51	296
α Draconis ...	3.6	17 46	315
β Ursæ Minoris ...	2.2	18 24	335
γ^2 Ursæ Minoris ...	3.1	19 1	330
ι Draconis ...	3.5	19 1	304
η Draconis ...	2.9	20 4	309
ζ Draconis ...	3.2	20 54	317
γ Draconis ...	2.4	21 14	287
δ Draconis ...	3.2	22 57	321

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Aurigæ ...	0.2	2 8	83
\circ Ursæ Majoris	3.5	4 49	52
θ Ursæ Majoris	3.3	6 8	70
α Ursæ Majoris	2.0	7 23	49
β Ursæ Majoris	2.4	7 28	60
γ Ursæ Majoris	2.5	8 26	66
δ Ursæ Majoris	3.4	8 41	59
ϵ Ursæ Majoris	1.7	9 22	61
ζ^1 Ursæ Majoris	2.4	9 55	63
α Draconis ...	3.6	10 25	44
ι Draconis ...	3.5	11 51	55
γ^2 Ursæ Minoris	3.1	11 52	29
η Draconis ...	2.9	12 47	50
ζ Draconis ...	3.2	13 32	42
γ Draconis ...	2.4	14 38	71
δ Draconis ...	3.2	15 36	38
α Cephei ...	2.6	17 41	49
β Cephei ...	3.3	17 55	33
ζ Cephei ...	3.6	18 37	58
β Cassiopeiæ ...	2.4	20 33	56
α Cassiopeiæ ...	2.5	21 8	62
γ Cassiopeiæ ...	2.3	21 18	53
δ Cassiopeiæ ...	2.8	21 47	54
ϵ Cassiopeiæ ...	3.4	22 12	47
γ Persei ...	3.1	23 37	68

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Arietis ...	2.2	1 22	161
ζ Persei ...	2.9	1 48	121
ι Aurigæ ...	2.9	2 42	116
17 Tauri ...	3.8	2 45	154
η Tauri ...	3.0	2 49	155
β Tauri ...	1.8	3 41	132
α Geminorum ...	2.0	5 24	119
ϵ Geminorum ...	3.2	5 28	146
β Geminorum ...	1.2	6 2	133
40 Lynxis ...	3.3	6 57	111
ϵ Leonis ...	3.1	8 41	152
12 Canum Venat.	2.9	10 15	101
ρ Boötis ...	3.8	12 32	124
δ Boötis ...	3.5	13 0	115
ϵ Boötis ...	2.7	13 9	136
α Coronæ Boreal.	2.3	14 2	138
ζ Herculis ...	3.0	14 35	120
ϵ Herculis ...	3.9	14 59	123
δ Herculis ...	3.2	16 4	148
μ Herculis ...	3.5	16 9	135
γ Lyræ ...	3.3	16 49	118
β Cygni ...	3.2	17 52	134
ϵ Cygni ...	2.6	18 31	115
ζ Cygni ...	3.4	19 19	127
η Pegasi ...	3.1	20 50	127
ι Pegasi ...	4.0	20 56	148
β Pegasi ...	2.5	21 27	135
μ Pegasi ...	3.7	21 47	152
α Andromedæ ...	2.2	22 24	132
δ Andromedæ ...	3.5	22 41	125
β Trianguli ...	3.1	23 47	112

SW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
η Pegasi ...	3.1	0 28	233
β Pegasi ...	2.5	0 33	225
α Andromedæ ...	2.2	1 44	228
δ Andromedæ ...	3.5	2 29	235
α Arietis ...	2.2	2 44	199
β Trianguli ...	3.1	4 23	248
17 Tauri ...	3.8	4 35	206
η Tauri ...	3.0	4 37	205
ζ Persei ...	2.9	5 50	239
β Tauri ...	1.8	7 1	228
ι Aurigæ ...	2.9	7 2	244
ε Geminorum ...	3.2	7 50	214
β Geminorum ...	1.2	9 18	227
α Geminorum ...	2.0	9 34	241
ε Leonis ...	3.1	10 41	208
40 Lyncis ...	3.3	11 35	249
12 Canum Venat. ...	2.9	15 29	259
ε Boötis ...	2.7	16 13	224
ρ Boötis ...	3.8	16 24	236
α Coronæ Boreal. ...	2.3	17 0	222
δ Boötis ...	3.5	17 24	245
δ Herculis ...	3.2	18 20	212
ζ Herculis ...	3.0	18 41	240
ε Herculis ...	3.9	18 54	237
μ Herculis ...	3.5	19 17	225
β Cygni ...	3.2	21 2	226
γ Lyræ ...	3.3	21 3	242
ε Cygni ...	2.6	22 55	245
ζ Cygni ...	3.4	22 59	233
ι Pegasi ...	4.0	23 10	212
μ Pegasi ...	3.7	23 45	208

NW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
α Cephei ...	2.6	0 53	311
β Cephei ...	3.3	1 1	327
ζ Cephei ...	3.6	1 39	302
β Cassiopeiæ ...	2.4	3 37	304
α Cassiopeiæ ...	2.5	4 4	298
γ Cassiopeiæ ...	2.3	4 26	307
δ Cassiopeiæ ...	2.8	4 53	306
ε Cassiopeiæ ...	3.4	5 26	313
γ Persei ...	3.1	6 21	292
α Aurigæ ...	0.2	8 13	277
ο Ursæ Majoris ...	3.5	11 59	308
θ Ursæ Majoris ...	3.3	12 46	290
β Ursæ Majoris ...	2.4	14 26	300
α Ursæ Majoris ...	2.0	14 35	311
γ Ursæ Majoris ...	2.5	15 14	294
δ Ursæ Majoris ...	3.4	15 41	301
ε Ursæ Majoris ...	1.7	16 18	299
ζ ¹ Ursæ Majoris ...	2.4	16 47	297
α Draconis ...	3.6	17 39	316
γ ² Ursæ Minoris ...	3.1	18 50	331
ι Draconis ...	3.5	18 55	305
η Draconis ...	2.9	19 59	310
ζ Draconis ...	3.2	20 46	318
γ Draconis ...	2.4	21 12	289
δ Draconis ...	3.2	22 48	322

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Aurigæ ...	0.2	2 9	82
\circ Ursæ Majoris	3.5	4 54	50
θ Ursæ Majoris	3.3	6 10	69
α Ursæ Majoris	2.0	7 29	48
β Ursæ Majoris	2.4	7 32	59
γ Ursæ Majoris	2.5	8 29	64
δ Ursæ Majoris	3.4	8 45	57
ϵ Ursæ Majoris	1.7	9 25	60
ζ^1 Ursæ Majoris	2.3	9 58	62
α Draconis ...	3.6	10 32	43
ι Draconis ...	3.5	11 55	54
γ^2 Ursæ Minoris	3.1	12 4	28
η Draconis ...	2.9	12 53	49
ζ Draconis ...	3.2	13 39	41
γ Draconis ...	2.4	14 40	69
δ Draconis ...	3.2	15 44	37
α Cephei ...	2.6	17 47	48
β Cephei ...	3.3	18 5	32
ζ Cephei ...	3.6	18 41	57
β Cassiopeiæ ...	2.4	20 37	55
α Cassiopeiæ ...	2.5	21 12	60
γ Cassiopeiæ ...	2.3	21 23	52
δ Cassiopeiæ ...	2.8	21 51	53
ϵ Cassiopeiæ ...	3.4	22 18	46
γ Persei ...	3.1	23 40	66

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m	°
α Arietis ...	2.2	1 7	153
ζ Persei ...	2.9	1 44	118
17 Tauri ...	3.8	2 33	148
η Tauri ...	3.0	2 37	149
ι Aurigæ ...	2.9	2 39	114
β Tauri ...	1.8	3 35	129
ϵ Geminorum ...	3.2	5 18	142
α Geminorum ...	2.0	5 21	116
μ Geminorum ...	3.2	5 27	156
β Geminorum ...	1.2	5 56	129
40 Lyncis ...	3.3	6 55	109
ϵ Leonis ...	3.1	8 30	147
12 Canum Venat.	2.9	10 14	99
ρ Boötis ...	3.8	12 28	121
ϵ Boötis ...	2.7	13 3	132
α Coronæ Boreal.	2.3	13 55	134
ζ Herculis ...	3.0	14 31	117
ϵ Herculis ...	3.9	14 55	120
δ Herculis ...	3.2	15 55	143
μ Herculis ...	3.5	16 2	131
γ Lyræ ...	3.3	16 45	115
β Cygni ...	3.2	17 46	131
ζ Cygni ...	3.4	19 14	124
η Pegasi ...	3.1	20 45	124
ι Pegasi ...	4.0	20 46	143
β Pegasi ...	2.5	21 21	132
μ Pegasi ...	3.7	21 36	147
α Andromedæ ...	2.2	22 18	128
δ Andromedæ ...	3.5	22 37	122
β Trianguli ...	3.1	23 44	109

SW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h.	m.	o
η Pegasi	3·1	0	33	236
β Pegasi	2·5	0	39	228
α Andromedæ ...	2·2	1	50	232
δ Andromedæ ...	3·5	2	33	238
α Arietis	2·2	2	59	207
β <i>Trianguli</i> ...	3·1	4	26	251
17 Tauri	3·8	4	47	212
η Tauri	3·0	4	49	211
ζ Persei	2·9	5	54	242
ι <i>Aurigæ</i>	2·9	7	5	246
β Tauri	1·8	7	7	231
μ <i>Geminorum</i> ...	3·2	7	9	204
ε <i>Geminorum</i> ...	3·2	8	0	218
β <i>Geminorum</i> ...	1·2	9	24	231
α <i>Geminorum</i> ...	2·0	9	37	244
ε Leonis	3·1	10	52	213
40 <i>Lyncis</i>	3·3	11	37	251
12 <i>Canum Venat.</i>	2·9	15	30	261
ε Boötis	2·7	16	19	228
ρ Boötis	3·8	16	28	239
α <i>Coronæ Boreal.</i>	2·3	17	7	226
δ Herculis... ..	3·2	18	29	217
ζ Herculis... ..	3·0	18	45	243
ε Herculis... ..	3·9	18	59	240
μ Herculis... ..	3·5	19	24	229
γ Lyræ	3·3	21	7	245
β Cygni	3·2	21	8	229
ζ Cygni	3·4	23	4	236
ι Pegasi	4·0	23	20	217
μ Pegasi	3·7	23	56	213

NW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h.	m.	o
α Cephei	2·6	0	47	312
β Cephei	3·3	0	51	328
ζ Cephei	3·6	1	35	303
β Cassiopeiæ ...	2·4	3	33	305
α Cassiopeiæ ...	2·5	4	0	300
γ Cassiopeiæ ...	2·3	4	21	308
δ Cassiopeiæ ...	2·8	4	49	307
ε Cassiopeiæ ...	3·4	5	20	314
γ <i>Persei</i>	3·1	6	18	294
α <i>Aurigæ</i>	0·2	8	13	278
ο <i>Ursæ Majoris</i>	3·5	11	54	310
θ <i>Ursæ Majoris</i>	3·3	12	44	291
β <i>Ursæ Majoris</i>	2·4	14	22	301
α <i>Ursæ Majoris</i>	2·0	14	29	312
γ <i>Ursæ Majoris</i>	2·5	15	11	296
δ <i>Ursæ Majoris</i>	3·4	15	37	303
ε <i>Ursæ Majoris</i>	1·7	16	15	300
ζ ¹ <i>Ursæ Majoris</i>	2·4	16	44	298
α <i>Draconis</i> ...	3·6	17	32	317
γ ² <i>Ursæ Minoris</i>	3·1	18	38	332
ι <i>Draconis</i> ...	3·5	18	51	306
η <i>Draconis</i> ...	2·9	19	53	311
ζ <i>Draconis</i> ...	3·2	20	39	319
γ <i>Draconis</i> ...	2·4	21	10	291
δ <i>Draconis</i> ...	3·2	22	40	323

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Aurigæ... ..	0.2	2 10	80
\circ Ursæ Majoris	3.5	4 59	49
θ Ursæ Majoris	3.3	6 13	67
α Ursæ Majoris	2.0	7 35	47
β Ursæ Majoris	2.4	7 36	58
γ Ursæ Majoris	2.5	8 32	63
δ Ursæ Majoris	3.4	8 49	56
ϵ Ursæ Majoris	1.7	9 29	58
ζ^1 Ursæ Majoris	2.4	10 1	60
α Draconis ...	3.6	10 39	41
ι Draconis ...	3.5	11 59	52
γ^2 Ursæ Minoris	3.1	12 17	26
η Draconis ...	2.9	12 58	48
ζ Draconis ...	3.2	13 46	39
γ Draconis ...	2.4	14 42	68
δ Draconis ...	3.2	15 52	36
α Cephei	2.6	17 53	47
β Cephei	3.3	18 16	30
ζ Cephei	3.6	18 46	56
β Cassiopeiæ ...	2.4	20 42	54
α Cassiopeiæ ...	2.5	21 15	59
γ Cassiopeiæ ...	2.3	21 28	51
δ Cassiopeiæ ...	2.8	21 56	51
ϵ Cassiopeiæ ...	3.4	22 24	44
γ Persei	3.1	23 43	65

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Arietis	2.2	0 55	148
ζ Persei	2.9	1 41	116
ι^7 Tauri	3.8	2 24	143
η Tauri	3.0	2 28	144
β Tauri	1.8	3 31	126
ϵ Geminorum ...	3.2	5 11	138
μ Geminorum ...	3.2	5 15	150
β Geminorum ...	1.2	5 52	126
δ Geminorum ...	3.5	6 19	154
α^0 Lynxis	3.3	6 53	107
ϵ Leonis	3.1	8 22	142
ρ Boötis	3.8	12 25	118
ϵ Boötis	2.7	12 58	129
α Coronæ Boreal.	2.3	13 50	130
ζ Herculis	3.0	14 29	115
ϵ Herculis	3.9	14 52	117
β Herculis	2.8	15 37	156
δ Herculis	3.2	15 47	139
μ Herculis	3.5	15 57	128
β Cygni	3.2	17 41	128
ζ Cygni	3.4	19 10	121
ι Pegasi	4.0	20 38	139
η Pegasi	3.1	20 41	121
β Pegasi	2.5	21 15	129
μ Pegasi	3.7	21 27	142
α Andromedæ ...	2.2	22 13	125
δ Andromedæ ...	3.5	22 33	119
β Trianguli ...	3.1	23 42	107

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
μ Pegasi	3·7	0 5	218
η Pegasi	3·1	0 37	239
β Pegasi	2·5	0 44	231
α Andromedæ ...	2·2	1 55	235
δ Andromedæ ...	3·5	2 37	241
α Arietis	2·2	3 11	212
β <i>Trianguli</i> ...	3·1	4 28	253
17 Tauri	3·8	4 56	217
η Tauri	3·0	4 58	216
ζ Persei	2·9	5 57	244
β Tauri	1·8	7 11	234
μ Geminorum ...	3·2	7 21	210
ε Geminorum ...	3·2	8 7	222
δ Geminorum ...	3·5	8 11	206
β Geminorum ...	1·2	9 28	234
ε Leonis	3·1	11 0	218
40 <i>Lyncis</i>	3·3	11 39	253
ε Boötis	2·7	16 24	231
ρ Boötis	3·8	16 31	242
α Coronæ Boreal.	2·3	17 12	229
β <i>Herculis</i> ...	2·8	17 17	204
δ Herculis	3·2	18 37	221
ζ Herculis	3·0	18 47	245
ε Herculis	3·9	19 2	243
μ Herculis	3·5	19 29	232
β Cygni	3·2	21 13	232
ζ Cygni	3·4	23 8	239
ι Pegasi	4·0	23 28	221

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Cephei	3·3	0 40	330
α Cephei	2·6	0 42	313
ζ Cephei	3·6	1 30	304
β Cassiopeiæ ...	2·4	3 28	306
α Cassiopeiæ ...	2·5	3 57	301
γ Cassiopeiæ ...	2·3	4 16	309
δ Cassiopeiæ ...	2·8	4 44	309
ε Cassiopeiæ ...	3·4	5 14	316
γ Persei	3·1	6 15	295
α <i>Aurigæ</i>	0·2	8 12	280
ο Ursæ Majoris	3·5	11 49	311
θ <i>Ursæ Majoris</i>	3·3	12 41	293
β Ursæ Majoris	2·4	14 18	302
α Ursæ Majoris	2·0	14 23	313
γ Ursæ Majoris	2·5	15 8	297
δ Ursæ Majoris	3·4	15 33	304
ε Ursæ Majoris	1·7	16 11	302
ζ ¹ Ursæ Majoris	2·4	16 41	300
α Draconis	3·6	17 26	319
γ ² Ursæ Minoris	3·1	18 25	334
ι Draconis	3·5	18 47	308
η Draconis	2·9	19 48	312
ζ Draconis	3·2	20 32	321
γ <i>Draconis</i> ...	2·4	21 8	292
δ Draconis	3·2	22 32	324

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Aurigæ ...	0.2	2 12	79
σ Ursæ Majoris	3.5	5 5	48
θ Ursæ Majoris	3.3	6 16	66
β Ursæ Majoris	2.4	7 40	56
α Ursæ Majoris	2.0	7 41	45
γ Ursæ Majoris	2.5	8 35	62
δ Ursæ Majoris	3.4	8 53	55
ϵ Ursæ Majoris	1.7	9 33	57
ζ^1 Ursæ Majoris	2.4	10 5	59
α Draconis ...	3.6	10 46	40
ι Draconis ...	3.5	12 4	51
η Draconis ...	2.9	13 4	46
ζ Draconis ...	3.2	13 54	38
β Draconis ...	3.0	14 17	65
γ Draconis ...	2.4	14 45	67
δ Draconis ...	3.2	16 1	35
α Cephei ...	2.6	17 59	45
β Cephei ...	3.3	18 27	29
ζ Cephei ...	3.6	18 50	54
β Cassiopeiæ ...	2.4	20 47	52
α Cassiopeiæ ...	2.5	21 19	58
γ Cassiopeiæ ...	2.3	21 33	49
δ Cassiopeiæ ...	2.8	22 1	50
ϵ Cassiopeiæ ...	3.4	22 31	43
γ Persei ...	3.1	23 46	64

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Arietis ...	2.2	0 46	143
β Arietis ...	2.7	1 5	158
ι^7 Tauri ...	3.8	2 16	139
η Tauri ...	3.0	2 20	139
β Tauri ...	1.8	3 27	123
ζ Tauri ...	3.0	4 36	153
μ Geminorum ...	3.2	5 5	145
ϵ Geminorum ...	3.2	5 5	134
β Geminorum ...	1.2	5 47	123
δ Geminorum ...	3.5	6 8	148
α^0 Lyncis ...	3.3	6 51	105
ϵ Leonis ...	3.1	8 15	138
γ^1 Leonis ...	2.6	9 32	159
δ Leonis ...	2.6	10 15	154
ρ Boötis ...	3.8	12 22	116
ϵ Boötis ...	2.7	12 53	126
α Coronæ Boreal.	2.3	13 45	127
ϵ Herculis ...	3.9	14 49	115
β Herculis ...	2.8	15 25	150
δ Herculis ...	3.2	15 40	135
μ Herculis ...	3.5	15 52	125
β Cygni ...	3.2	17 36	125
ζ Cygni ...	3.4	19 6	118
ι Pegasi ...	4.0	20 31	135
η Pegasi ...	3.1	20 37	118
β Pegasi ...	2.5	21 10	126
μ Pegasi ...	3.7	21 20	138
α Andromedæ ...	2.2	22 8	122
δ Andromedæ ...	3.5	22 29	116
β Trianguli ...	3.1	23 41	105

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m	°
μ Pegasi	3.7	0 12	222
η Pegasi	3.1	0 41	242
β Pegasi	2.5	0 50	234
α Andromedæ ...	2.2	2 0	238
β Arietis	2.7	2 35	202
δ Andromedæ ...	3.5	2 41	244
α Arietis	2.2	3 20	217
β Trianguli ...	3.1	4 29	255
γ Tauri	3.8	5 4	221
η Tauri	3.0	5 6	220
ζ Tauri	3.0	6 30	207
β Tauri	1.8	7 15	237
μ Geminorum ...	3.2	7 31	215
ϵ Geminorum ...	3.2	8 13	226
δ Geminorum ...	3.5	8 22	212
β Geminorum ...	1.2	9 33	237
γ^1 Leonis	2.6	10 58	201
ϵ Leonis	3.1	11 7	222
δ Leonis	2.6	12 5	206
ϵ Boötis	2.7	16 29	234
ρ Boötis	3.8	16 34	244
α Coronæ Boreal.	2.3	17 17	233
β Herculis	2.8	17 30	211
δ Herculis	3.2	18 44	225
ϵ Herculis	3.9	19 5	245
μ Herculis	3.5	19 34	235
β Cygni	3.2	21 18	235
ζ Cygni	3.4	23 12	242
ι Pegasi	4.0	23 35	225

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Cephei	3.3	0 29	331
α Cephei	2.6	0 35	315
ζ Cephei	3.6	1 26	306
β Cassiopeiæ ...	2.4	3 23	308
α Cassiopeiæ ...	2.5	3 53	302
γ Cassiopeiæ ...	2.3	4 11	311
δ Cassiopeiæ ...	2.8	4 39	310
ϵ Cassiopeiæ ...	3.4	5 7	317
γ Persei	3.1	6 12	296
α Aurigæ	0.2	8 10	231
\circ Ursæ Majoris	3.5	11 43	312
θ Ursæ Majoris	3.3	12 38	294
β Ursæ Majoris	2.4	14 14	304
α Ursæ Majoris	2.0	14 17	315
γ Ursæ Majoris	2.5	15 5	298
δ Ursæ Majoris	3.4	15 29	305
ϵ Ursæ Majoris	1.7	16 7	303
ζ^1 Ursæ Majoris	2.4	16 37	301
α Draconis	3.6	17 18	320
ι Draconis	3.5	18 42	309
η Draconis	2.9	19 42	314
ζ Draconis	3.2	20 24	322
β Draconis	3.0	20 41	295
γ Draconis	2.4	21 5	293
δ Draconis	3.2	22 23	325

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Aurigæ ...	0.2	2 13	77
\circ Ursæ Majoris	3.5	5 11	46
θ Ursæ Majoris	3.3	6 19	65
β Ursæ Majoris	2.4	7 44	55
α Ursæ Majoris	2.0	7 47	44
γ Ursæ Majoris	2.5	8 39	60
δ Ursæ Majoris	3.4	8 58	54
ϵ Ursæ Majoris	1.7	9 37	56
ζ^1 Ursæ Majoris	2.4	10 9	58
α Draconis ...	3.6	10 53	39
ι Draconis ...	3.5	12 9	50
η Draconis ...	2.9	13 10	45
ζ Draconis ...	3.2	14 2	37
β Draconis ...	3.0	14 20	64
γ Draconis ...	2.4	14 47	66
δ Draconis ...	3.2	16 10	33
α Cephei ...	2.6	18 5	44
β Cephei ...	3.3	18 38	27
ζ Cephei ...	3.6	18 54	53
β Cassiopeiæ ...	2.4	20 51	51
α Cassiopeiæ ...	2.5	21 23	56
γ Cassiopeiæ ...	2.3	21 38	48
δ Cassiopeiæ ...	2.8	22 6	49
ϵ Cassiopeiæ ...	3.4	22 38	42
γ Persei ...	3.1	23 49	62

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Arietis ...	2.2	0 38	138
β Arietis ...	2.7	0 52	152
ι^7 Tauri ...	3.8	2 9	135
η Tauri ...	3.0	2 13	136
β Tauri ...	1.8	3 23	120
ζ Tauri ...	3.0	4 26	148
μ Geminorum ...	3.2	4 57	140
ϵ Geminorum ...	3.2	4 59	130
β Geminorum ...	1.2	5 43	121
δ Geminorum ...	3.5	5 59	143
γ^1 Lyncis ...	3.3	6 49	102
ϵ Leonis ...	3.1	8 9	134
γ^1 Leonis ...	2.6	9 18	152
δ Leonis ...	2.6	10 4	148
ρ Boötis ...	3.8	12 19	113
ϵ Boötis ...	2.7	12 48	123
α Boötis ...	0.2	13 24	157
α Coronæ Boreal.	2.3	13 40	124
β Herculis ...	2.8	15 15	145
δ Herculis ...	3.2	15 34	131
γ Herculis ...	3.8	15 35	159
μ Herculis ...	3.5	15 48	122
β Cygni ...	3.2	17 32	122
ζ Cygni ...	3.4	19 3	116
ι Pegasi ...	4.0	20 25	131
η Pegasi ...	3.1	20 34	116
β Pegasi ...	2.5	21 6	123
μ Pegasi ...	3.7	21 13	134
α Andromedæ ...	2.2	22 4	120
δ Andromedæ ...	3.5	22 27	114
β Trianguli ...	3.1	23 39	103

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
μ Pegasi	3.7	0 19	226
η Pegasi	3.1	0 44	244
β Pegasi	2.5	0 54	237
α Andromedæ ...	2.2	2 4	240
δ Andromedæ ...	3.5	2 43	246
β Arietis	2.7	2 48	208
α Arietis	2.2	3 28	222
β Trianguli ...	3.1	4 31	257
17 Tauri	3.8	5 11	225
η Tauri	3.0	5 13	224
ζ Tauri	3.0	6 40	212
β Tauri	1.8	7 19	240
μ Geminorum ...	3.2	7 39	220
ϵ Geminorum ...	3.2	8 19	230
δ Geminorum ...	3.5	8 31	217
β Geminorum ...	1.2	9 37	239
γ^1 Leonis	2.6	11 12	208
ϵ Leonis	3.1	11 13	226
δ Leonis	2.6	12 16	212
α Boötis	0.2	15 0	203
ϵ Boötis	2.7	16 34	237
ρ Boötis	3.8	16 37	247
γ Herculis	3.8	17 1	201
α Coronæ Boreal.	2.3	17 22	236
β Herculis	2.8	17 39	215
δ Herculis	3.2	18 50	229
μ Herculis	3.5	19 38	238
β Cygni	3.2	21 22	238
ζ Cygni	3.4	23 15	244
ι Pegasi	4.0	23 41	229

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Cephei	3.3	0 18	333
α Cephei	2.6	0 29	316
ζ Cephei	3.6	1 22	307
β Cassiopeiæ ...	2.4	3 19	309
α Cassiopeiæ ...	2.5	3 49	304
γ Cassiopeiæ ...	2.3	4 6	312
δ Cassiopeiæ ...	2.8	4 34	311
ϵ Cassiopeiæ ...	3.4	5 0	318
γ Persei	3.1	6 9	298
α Aurigæ	0.2	8 9	283
σ Ursæ Majoris	3.5	11 37	314
θ Ursæ Majoris	3.3	12 35	295
β Ursæ Majoris	2.4	14 10	305
α Ursæ Majoris	2.0	14 11	316
γ Ursæ Majoris	2.5	15 1	300
δ Ursæ Majoris	3.4	15 24	306
ϵ Ursæ Majoris	1.7	16 3	304
ζ^1 Ursæ Majoris	2.4	16 33	302
α Draconis	3.6	17 11	321
ι Draconis	3.5	18 37	310
η Draconis	2.9	19 36	315
ζ Draconis	3.2	20 16	323
β Draconis	3.0	20 38	296
γ Draconis	2.4	21 3	294
δ Draconis	3.2	22 14	327

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α <i>Aurigæ</i> ...	0.2	2 15	76
\circ <i>Ursæ Majoris</i>	3.5	5 17	45
θ <i>Ursæ Majoris</i>	3.3	6 21	63
β <i>Ursæ Majoris</i>	2.4	7 48	54
α <i>Ursæ Majoris</i>	2.0	7 53	43
γ <i>Ursæ Majoris</i>	2.5	8 42	59
δ <i>Ursæ Majoris</i>	3.4	9 2	52
ϵ <i>Ursæ Majoris</i>	1.7	9 41	54
ζ^1 <i>Ursæ Majoris</i>	2.4	10 13	56
α <i>Draconis</i> ...	3.6	11 0	37
ι <i>Draconis</i> ...	3.5	12 14	49
η <i>Draconis</i> ...	2.9	13 16	44
ζ <i>Draconis</i> ...	3.2	14 10	35
β <i>Draconis</i> ...	3.0	14 23	63
γ <i>Draconis</i> ...	2.4	14 50	64
δ <i>Draconis</i> ...	3.2	16 19	32
α <i>Cephei</i> ...	2.6	18 11	43
β <i>Cephei</i> ...	3.3	18 50	25
ζ <i>Cephei</i> ...	3.6	18 59	51
β <i>Cassiopeiæ</i> ...	2.4	20 56	50
α <i>Cassiopeiæ</i> ...	2.5	21 27	55
γ <i>Cassiopeiæ</i> ...	2.3	21 43	46
δ <i>Cassiopeiæ</i> ...	2.8	22 11	47
ϵ <i>Cassiopeiæ</i> ...	3.4	22 44	40
γ <i>Persei</i> ...	3.1	23 52	61

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α <i>Arietis</i> ...	2.2	0 32	135
β <i>Arietis</i> ...	2.7	0 41	146
ι^7 <i>Tauri</i> ...	3.8	2 4	132
η <i>Tauri</i> ...	3.0	2 7	132
β <i>Tauri</i> ...	1.8	3 19	117
ϵ <i>Tauri</i> ...	3.6	3 31	154
ζ <i>Tauri</i> ...	3.0	4 17	143
μ <i>Geminorum</i> ...	3.2	4 51	137
ϵ <i>Geminorum</i> ...	3.2	4 54	127
β <i>Geminorum</i> ...	1.2	5 39	118
δ <i>Geminorum</i> ...	3.5	5 52	139
ϵ^{40} <i>Lyncis</i> ...	3.3	6 48	100
ϵ <i>Leonis</i> ...	3.1	8 3	131
γ^1 <i>Leonis</i> ...	2.6	9 8	147
δ <i>Leonis</i> ...	2.6	9 55	144
ρ <i>Boötis</i> ...	3.8	12 16	111
ϵ <i>Boötis</i> ...	2.7	12 44	120
η <i>Boötis</i> ...	2.8	13 1	156
α <i>Boötis</i> ...	0.2	13 13	151
α <i>Coronæ Boreal.</i>	2.3	13 36	122
β <i>Herculis</i> ...	2.8	15 7	141
γ <i>Herculis</i> ...	3.8	15 22	153
δ <i>Herculis</i> ...	3.2	15 29	128
μ <i>Herculis</i> ...	3.5	15 44	119
β <i>Cygni</i> ...	3.2	17 28	119
ζ <i>Cygni</i> ...	3.4	19 0	113
ι <i>Pegasi</i> ...	4.0	20 20	128
η <i>Pegasi</i> ...	3.1	20 31	113
β <i>Pegasi</i> ...	2.5	21 2	120
μ <i>Pegasi</i> ...	3.7	21 8	131
α <i>Andromedæ</i> ...	2.2	22 1	117
β <i>Trianguli</i> ...	3.1	23 38	101

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
μ Pegasi	3·7	0 24	229
η Pegasi	3·1	0 47	247
β Pegasi	2·5	0 58	240
α Andromedæ ...	2·2	2 7	243
β Arietis	2·7	2 59	214
α Arietis	2·2	3 34	225
β Trianguli ...	3·1	4 32	259
17 Tauri	3·8	5 16	228
ε Tauri	3·6	5 17	206
η Tauri	3·0	5 19	228
ζ Tauri	3·0	6 49	217
β Tauri	1·8	7 23	243
μ Geminorum ...	3·2	7 45	223
ε Geminorum ...	3·2	8 24	233
δ Geminorum ...	3·5	8 38	221
β Geminorum ...	1·2	9 41	242
ε Leonis	3·1	11 19	229
γ ¹ Leonis	2·6	11 22	213
δ Leonis	2·6	12 25	216
η Boötis	2·8	14 41	204
α Boötis	0·2	15 12	209
ε Boötis	2·7	16 38	240
γ Herculis	3·8	17 14	207
α Coronæ Boreal.	2·3	17 26	238
β Herculis	2·8	17 47	219
δ Herculis	3·2	18 55	232
μ Herculis	3·5	19 42	241
β Cygni	3·2	21 26	241
ζ Cygni	3·4	23 18	247
ι Pegasi	4·0	23 46	232

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Cephei	3·3	0 6	335
α Cephei	2·6	0 23	317
ζ Cephei	3·6	1 17	309
β Cassiopeiæ ...	2·4	3 14	310
α Cassiopeiæ ...	2·5	3 45	305
γ Cassiopeiæ ...	2·3	4 1	314
δ Cassiopeiæ ...	2·8	4 29	313
ε Cassiopeiæ ...	3·4	4 54	320
γ Persei	3·1	6 6	299
α Aurigæ	0·2	8 7	234
ο Ursæ Majoris	3·5	11 31	315
θ Ursæ Majoris	3·3	12 33	297
α Ursæ Majoris	2·0	14 5	317
β Ursæ Majoris	2·4	14 6	306
γ Ursæ Majoris	2·5	14 58	301
δ Ursæ Majoris	3·4	15 20	308
ε Ursæ Majoris	1·7	15 59	306
ζ ¹ Ursæ Majoris	2·4	16 29	304
α Draconis	3·6	17 4	323
ι Draconis	3·5	18 32	311
η Draconis	2·9	19 30	316
ζ Draconis	3·2	20 8	325
β Draconis	3·0	20 35	297
γ Draconis	2·4	21 0	296
δ Draconis	3·2	22 5	328

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Aurigæ ...	0.2	2 16	74
σ Ursæ Majoris	3.5	5 23	44
θ Ursæ Majoris	3.3	6 24	62
β Ursæ Majoris	2.4	7 52	52
α Ursæ Majoris	2.0	7 59	41
γ Ursæ Majoris	2.5	8 46	58
δ Ursæ Majoris	3.4	9 7	51
ϵ Ursæ Majoris	1.7	9 45	53
ζ^1 Ursæ Majoris	2.4	10 17	55
α Draconis ...	3.6	11 9	36
ι Draconis ...	3.5	12 19	47
η Draconis ...	2.9	13 22	43
ζ Draconis ...	3.2	14 19	34
β Draconis ...	3.0	14 26	61
γ Draconis ...	2.4	14 53	63
δ Draconis ...	3.2	16 28	30
α Cephei ...	2.6	18 17	41
ζ Cephei ...	3.6	19 4	50
β Cassiopeiæ ...	2.4	21 1	49
α Cassiopeiæ ...	2.5	21 31	54
γ Cassiopeiæ ...	2.3	21 49	45
δ Cassiopeiæ ...	2.8	22 17	46
ϵ Cassiopeiæ ...	3.4	22 51	39
γ Persei ...	3.1	23 55	60

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Arietis ...	2.2	0 27	131
β Arietis ...	2.7	0 33	142
ι^7 Tauri ...	3.8	1 59	129
η Tauri ...	3.0	2 2	129
β Tauri ...	1.8	3 16	115
ϵ Tauri ...	3.6	3 21	149
ζ Tauri ...	3.0	4 10	139
μ Geminorum ...	3.2	4 45	133
ϵ Geminorum ...	3.2	4 50	124
β Geminorum ...	1.2	5 37	116
δ Geminorum ...	3.5	5 45	135
ϵ Leonis ...	3.1	7 58	128
γ^1 Leonis ...	2.6	9 0	143
δ Leonis ...	2.6	9 48	140
ϵ Boötis ...	2.7	12 41	118
η Boötis ...	2.8	12 49	150
α Boötis ...	0.2	13 4	146
α Coronæ Boreal.	2.3	13 33	119
β Herculis ...	2.8	15 1	137
γ Herculis ...	3.8	15 12	147
δ Herculis ...	3.2	15 25	125
μ Herculis ...	3.5	15 41	117
β Cygni ...	3.2	17 25	117
ζ Cygni ...	3.4	18 58	111
ι Pegasi ...	4.0	20 16	125
β Pegasi ...	2.5	20 59	118
μ Pegasi ...	3.7	21 3	128
α Andromedæ ...	2.2	21 59	115

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
μ Pegasi ...	3.7	0 29	232
β Pegasi ...	2.5	1 1	242
α Andromedæ ...	2.2	2 9	245
β Arietis ...	2.7	3 7	218
α Arietis ...	2.2	3 40	229
17 Tauri ...	3.8	5 21	231
η Tauri ...	3.0	5 24	231
ϵ Tauri ...	3.6	5 27	211
ζ Tauri ...	3.0	6 56	221
β Tauri ...	1.8	7 26	245
μ Geminorum ...	3.2	7 51	227
ϵ Geminorum ...	3.2	8 28	236
δ Geminorum ...	3.5	8 45	225
β Geminorum ...	1.2	9 43	244
ϵ Leonis ...	3.1	11 24	232
γ^1 Leonis ...	2.6	11 30	217
δ Leonis ...	2.6	12 32	220
η Boötis ...	2.8	14 53	210
α Boötis ...	0.2	15 20	214
ϵ Boötis ...	2.7	16 41	242
γ Herculis ...	3.8	17 24	213
α Coronæ Boreal.	2.3	17 29	241
β Herculis ...	2.8	17 53	223
δ Herculis ...	3.2	18 59	235
μ Herculis ...	3.5	19 45	243
β Cygni ...	3.2	21 29	243
ζ Cygni ...	3.4	23 20	249
ι Pegasi ...	4.0	23 50	235

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Cephei ...	2.6	0 17	319
ζ Cephei ...	3.6	1 12	310
β Cassiopeiæ ...	2.4	3 9	311
α Cassiopeiæ ...	2.5	3 41	306
γ Cassiopeiæ ...	2.3	3 55	315
δ Cassiopeiæ ...	2.8	4 23	314
ϵ Cassiopeiæ ...	3.4	4 47	321
γ Persei ...	3.1	6 3	300
α Aurigæ ...	0.2	8 6	286
\circ Ursæ Majoris	3.5	11 25	316
θ Ursæ Majoris	3.3	12 30	298
α Ursæ Majoris	2.0	13 59	319
β Ursæ Majoris	2.4	14 2	308
γ Ursæ Majoris	2.5	14 54	302
δ Ursæ Majoris	3.4	15 15	309
ϵ Ursæ Majoris	1.7	15 55	307
ζ^1 Ursæ Majoris	2.4	16 25	305
α Draconis ...	3.6	16 56	324
ι Draconis ...	3.5	18 27	313
η Draconis ...	2.9	19 24	317
ζ Draconis ...	3.2	19 59	326
β Draconis ...	3.0	20 32	299
γ Draconis ...	2.4	20 57	297
δ Draconis ...	3.2	21 56	330

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Persei ...	1.9	0 22	65
α Aurigæ ...	0.2	2 18	73
σ Ursæ Majoris	3.5	5 29	42
θ Ursæ Majoris	3.3	6 28	60
β Ursæ Majoris	2.4	7 57	51
α Ursæ Majoris	2.0	8 6	39
γ Ursæ Majoris	2.5	8 50	56
δ Ursæ Majoris	3.4	9 12	49
ϵ Ursæ Majoris	1.7	9 50	51
ζ^1 Ursæ Majoris	2.4	10 21	53
η Ursæ Majoris	1.9	10 46	65
α Draconis ...	3.6	11 17	34
ι Draconis ...	3.5	12 25	46
η Draconis ...	2.9	13 29	41
ζ Draconis ...	3.2	14 28	32
β Draconis ...	3.0	14 29	59
γ Draconis ...	2.4	14 56	61
δ Draconis ...	3.2	16 39	28
α Cephei ...	2.6	18 24	40
ζ Cephei ...	3.6	19 9	49
β Cassiopeiæ ...	2.4	21 7	47
α Cassiopeiæ ...	2.5	21 36	52
γ Cassiopeiæ ...	2.3	21 56	43
δ Cassiopeiæ ...	2.8	22 23	44
ϵ Cassiopeiæ ...	3.4	22 59	37
γ Persei ...	3.1	23 59	58

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Arietis ...	2.2	0 22	128
β Arietis ...	2.7	0 26	138
γ^1 Tauri ...	3.8	1 55	126
η Tauri ...	3.0	1 58	126
ϵ Tauri ...	3.6	3 12	144
α Tauri ...	1.1	3 49	160
ζ Tauri ...	3.0	4 4	135
μ Geminorum ...	3.2	4 40	130
ϵ Geminorum ...	3.2	4 47	122
β Geminorum ...	1.2	5 35	113
δ Geminorum ...	3.5	5 40	132
ϵ Leonis ...	3.1	7 54	125
γ^1 Leonis ...	2.6	8 52	138
δ Leonis ...	2.6	9 42	136
ϵ Boötis ...	2.7	12 38	115
η Boötis ...	2.8	12 40	145
α Boötis ...	0.2	12 56	142
α Coronæ Boreal.	2.3	13 30	116
β Herculis ...	2.8	14 55	133
γ Herculis ...	3.8	15 3	143
δ Herculis ...	3.2	15 21	122
μ Herculis ...	3.5	15 38	114
β Cygni ...	3.2	17 22	114
ζ Cygni ...	3.4	18 56	109
ι Pegasi ...	4.0	20 12	123
β Pegasi ...	2.5	20 56	115
μ Pegasi ...	3.7	20 59	125
α Andromedæ ...	2.2	21 56	112

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
μ Pegasi	3.7	0 33	235
β Pegasi	2.5	1 4	245
α Andromedæ	2.2	2 12	248
β Arietis	2.7	3 14	222
α Arietis	2.2	3 44	232
α Tauri	1.1	5 13	200
ϵ Tauri	3.8	5 25	234
η Tauri	3.0	5 28	234
ϵ Tauri	3.6	5 36	216
ζ Tauri	3.0	7 2	225
β Tauri	1.8	7 28	248
μ Geminorum	3.2	7 56	230
ϵ Geminorum	3.2	8 31	238
δ Geminorum	3.5	8 50	228
β Geminorum	1.2	9 46	247
ϵ Leonis	3.1	11 28	235
γ^1 Leonis	2.6	11 38	222
δ Leonis	2.6	12 38	224
η Boötis	2.8	15 2	215
α Boötis	0.2	15 28.	218
ϵ Boötis	2.7	16 44	245
α Coronæ Boreal.	2.3	17 32	244
γ Herculis	3.8	17 33	217
β Herculis	2.8	17 59	227
δ Herculis	3.2	19 3	238
μ Herculis	3.5	19 48	246
β Cygni	3.2	21 32	246
ζ Cygni	3.4	23 22	251
ι Pegasi	4.0	23 54	237

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Cephei	2.6	0 10	320
ζ Cephei	3.6	1 7	311
β Cassiopeiæ	2.4	3 3	313
α Cassiopeiæ	2.5	3 36	308
γ Cassiopeiæ	2.3	3 48	317
δ Cassiopeiæ	2.8	4 17	316
ϵ Cassiopeiæ	3.4	4 39	323
γ Persei	3.1	5 59	302
α Persei	1.9	6 16	295
α Aurigæ	0.2	8 4	287
σ Ursæ Majoris	3.5	11 19	318
θ Ursæ Majoris	3.3	12 26	300
α Ursæ Majoris	2.0	13 52	321
β Ursæ Majoris	2.4	13 57	309
γ Ursæ Majoris	2.5	14 50	304
δ Ursæ Majoris	3.4	15 10	311
ϵ Ursæ Majoris	1.7	15 50	309
ζ^1 Ursæ Majoris	2.4	16 21	307
η Ursæ Majoris	1.9	16 42	295
α Draconis	3.6	16 47	326
ι Draconis	3.5	18 21	314
η Draconis	2.9	19 17	319
ζ Draconis	3.2	19 50	328
β Draconis	3.0	20 29	301
γ Draconis	2.4	20 54	299
δ Draconis	3.2	21 45	332

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Persei ...	3.1	0 3	57
α Persei ...	1.9	0 24	64
α Aurigæ ...	0.2	2 20	71
β Aurigæ ...	2.1	3 4	73
ο Ursæ Majoris	3.5	5 36	41
ι Ursæ Majoris	3.1	6 0	66
θ Ursæ Majoris	3.3	6 31	59
β Ursæ Majoris	2.4	8 2	49
α Ursæ Majoris	2.0	8 13	38
γ Ursæ Majoris	2.5	8 54	55
δ Ursæ Majoris	3.4	9 17	48
ε Ursæ Majoris	1.7	9 55	50
ζ ¹ Ursæ Majoris	2.4	10 25	52
η Ursæ Majoris	1.9	10 49	64
α Draconis ...	3.6	11 25	33
ι Draconis ...	3.5	12 31	45
η Draconis ...	2.9	13 36	39
β Draconis ...	3.0	14 33	58
ζ Draconis ...	3.2	14 37	30
γ Draconis ...	2.4	14 59	60
δ Draconis ...	3.2	16 50	26
α Cephei ...	2.6	18 31	38
ζ Cephei ...	3.6	19 14	47
β Cassiopeiæ ...	2.4	21 12	46
α Cassiopeiæ ...	2.5	21 41	51
γ Cassiopeiæ ...	2.3	22 2	42
δ Cassiopeiæ ...	2.8	22 29	43
ε Cassiopeiæ ...	3.4	23 6	36

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Arietis ...	2.2	0 18	125
β Arietis ...	2.7	0 20	134
17 Tauri ...	3.8	1 51	123
η Tauri ...	3.0	1 54	123
ε Tauri ...	3.6	3 5	140
γ Tauri ...	3.9	3 31	159
α Tauri ...	1.1	3 36	153
ζ Tauri ...	3.0	3 59	132
μ Geminorum ...	3.2	4 35	127
ε Geminorum ...	3.2	4 43	119
δ Geminorum ...	3.5	5 35	129
γ Geminorum ...	1.9	5 36	152
ε Leonis ...	3.1	7 50	122
γ ¹ Leonis ...	2.6	8 46	135
δ Leonis ...	2.6	9 37	132
θ Leonis ...	3.4	10 20	156
η Boötis ...	2.8	12 33	141
α Boötis ...	0.2	12 49	138
α Coronæ Boreal.	2.3	13 28	114
β Herculis ...	2.8	14 50	130
γ Herculis ...	3.8	14 56	139
γ Serpentis ...	3.9	15 3	155
δ Herculis ...	3.2	15 17	120
μ Herculis ...	3.5	15 36	112
β Cygni ...	3.2	17 20	112
ζ Cygni ...	3.4	18 55	107
α Delphini ...	3.9	19 50	157
ι Pegasi ...	4.0	20 9	120
μ Pegasi ...	3.7	20 55	122
α Andromedæ ...	2.2	21 54	110

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
μ Pegasi	3·7	0 37	238
β Pegasi	2·5	1 6	247
α Andromedæ	2·2	2 14	250
β Arietis	2·7	3 20	225
α Arietis	2·2	3 48	235
γ Tauri	3·9	4 59	201
α Tauri	1·1	5 26	207
ι Tauri	3·8	5 29	237
η Tauri	3·0	5 32	237
ϵ Tauri	3·6	5 43	220
ζ Tauri	3·0	7 7	228
γ Geminorum	1·9	7 30	208
μ Geminorum	3·2	8 1	233
ϵ Geminorum	3·2	8 35	241
δ Geminorum	3·5	8 55	231
β Geminorum	1·2	9 48	249
ϵ Leonis	3·1	11 32	238
γ^1 Leonis	2·6	11 44	225
θ Leonis	3·4	12 0	204
δ Leonis	2·6	12 43	228
η Boötis	2·8	15 9	219
α Boötis	0·2	15 35	222
γ Serpentis	3·9	16 43	205
α Coronæ Boreal.	2·3	17 34	246
γ Herculis	3·8	17 40	221
β Herculis	2·8	18 4	230
δ Herculis	3·2	19 7	240
μ Herculis	3·5	19 50	248
α Delphini	3·9	21 22	203
β Cygni	3·2	21 34	248
ζ Cygni	3·4	23 23	253
ι Pegasi	4·0	23 57	240

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Cephei	2·6	0 3	322
ζ Cephei	3·6	1 2	312
β Cassiopeiæ	2·4	2 58	314
α Cassiopeiæ	2·5	3 31	309
γ Cassiopeiæ	2·3	3 42	318
δ Cassiopeiæ	2·8	4 11	317
ϵ Cassiopeiæ	3·4	4 32	324
γ Persei	3·1	5 55	303
α Persei	1·9	6 14	296
α Aurigæ	0·2	8 2	289
β Aurigæ	2·1	8 44	287
\circ Ursæ Majoris	3·5	11 12	319
ι Ursæ Majoris	3·1	11 48	294
θ Ursæ Majoris	3·3	12 23	301
α Ursæ Majoris	2·0	13 45	322
β Ursæ Majoris	2·4	13 52	311
γ Ursæ Majoris	2·5	14 46	305
δ Ursæ Majoris	3·4	15 5	312
ϵ Ursæ Majoris	1·7	15 45	310
ζ^1 Ursæ Majoris	2·4	16 17	308
η Ursæ Majoris	1·9	16 39	296
α Draconis	3·6	16 39	327
ι Draconis	3·5	18 15	315
η Draconis	2·9	19 10	321
ζ Draconis	3·2	19 41	330
β Draconis	3·0	20 25	302
γ Draconis	2·4	20 51	300
δ Draconis	3·2	21 34	334

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Persei	3·1	0 6	55
α Persei	1·9	0 27	62
α Aurigæ	0·2	2 22	70
β Aurigæ	2·1	3 6	72
ο Ursæ Majoris	3·5	5 42	39
ι Ursæ Majoris	3·1	6 2	65
θ Ursæ Majoris	3·3	6 34	58
β Ursæ Majoris	2·4	8 7	48
α Ursæ Majoris	2·0	8 20	36
γ Ursæ Majoris	2·5	8 58	53
δ Ursæ Majoris	3·4	9 22	46
ε Ursæ Majoris	1·7	9 59	49
ζ ¹ Ursæ Majoris	2·4	10 29	51
η Ursæ Majoris	1·9	10 52	62
α Draconis ...	3·6	11 35	31
ι Draconis ...	3·5	12 37	43
η Draconis ...	2·9	13 43	38
β Draconis ...	3·0	14 36	57
ζ Draconis ...	3·2	14 46	28
γ Draconis ...	2·4	15 2	59
δ Cygni	3·0	16 54	72
δ Draconis ...	3·2	17 3	24
α Cephei	2·6	18 38	36
ζ Cephei	3·6	19 19	46
β Cassiopeiæ ...	2·4	21 17	44
α Cassiopeiæ ...	2·5	21 45	49
γ Cassiopeiæ ...	2·3	22 8	41
δ Cassiopeiæ ...	2·8	22 34	42
ε Cassiopeiæ ...	3·4	23 14	34

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Arietis	2·2	0 14	123
β Arietis	2·7	0 15	131
η Piscium?.. ...	3·7	0 38	156
17 Tauri	3·8	1 48	121
η Tauri	3·0	1 51	121
ε Tauri	3·6	2 58	136
γ Tauri	3·9	3 20	153
α Tauri	1·1	3 26	148
ζ Tauri	3·0	3 54	129
μ Geminorum ...	3·2	4 31	124
ε Geminorum ...	3·2	4 40	117
γ Geminorum ...	1·9	5 27	147
δ Geminorum ...	3·5	5 31	126
ε Leonis	3·1	7 47	119
γ ¹ Leonis	2·6	8 41	132
δ Leonis	2·6	9 32	129
θ Leonis	3·4	10 9	150
β Leonis	2·2	10 54	155
η Boötis	2·8	12 26	137
α Boötis	0·2	12 43	135
β Herculis	2·8	14 45	127
γ Herculis	3·8	14 50	135
γ Serpentis ...	3·9	14 52	150
δ Herculis	3·2	15 14	117
μ Herculis	3·5	15 34	110
α Herculis	3·5	16 28	159
β Cygni	3·2	17 18	110
α Delphini	3·9	19 39	152
ι Pegasi	4·0	20 6	117
μ Pegasi	3·7	20 52	120
α Andromedæ ...	2·2	21 52	108
α Pegasi	2·6	22 13	156
γ Pegasi	2·9	23 20	156

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ι Pegasi ...	4.0	0 0	243
μ Pegasi ...	3.7	0 40	240
γ Pegasi ...	2.9	0 58	204
β Pegasi ...	2.5	1 8	250
η Piscium ...	3.7	2 16	204
β Arietis ...	2.7	3 25	229
α Arietis ...	2.2	3 52	237
γ Tauri ...	3.9	5 10	207
ι ⁷ Tauri ...	3.8	5 32	239
η Tauri ...	3.0	5 35	239
α Tauri ...	1.1	5 36	212
ε Tauri ...	3.6	5 50	224
ζ Tauri ...	3.0	7 12	231
γ Geminorum ...	1.9	7 39	213
μ Geminorum ...	3.2	8 5	236
ε Geminorum ...	3.2	8 38	243
δ Geminorum ...	3.5	8 59	234
β Geminorum ...	1.2	9 50	251
ε Leonis ...	3.1	11 35	241
γ ¹ Leonis ...	2.6	11 49	228
θ Leonis ...	3.4	12 11	210
β Leonis ...	2.2	12 36	205
δ Leonis ...	2.6	12 48	231
η Boötis ...	2.8	15 16	223
α Boötis ...	0.2	15 41	225
γ Serpentis ...	3.9	16 54	210
γ Herculis ...	3.8	17 46	225
α Herculis ...	3.5	17 54	201
β Herculis ...	2.8	18 9	233
δ Herculis ...	3.2	19 10	243
μ Herculis ...	3.5	19 52	250
α Delphini ...	3.9	21 33	208
α Pegasi ...	2.6	23 49	204

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Cephei ...	3.6	0 57	314
β Cassiopeiæ ...	2.4	2 53	316
α Cassiopeiæ ...	2.5	3 27	311
γ Cassiopeiæ ...	2.3	3 36	319
δ Cassiopeiæ ...	2.8	4 6	318
ε Cassiopeiæ ...	3.4	4 24	326
γ Persei ...	3.1	5 52	305
α Persei ...	1.9	6 11	298
α Aurigæ ...	0.2	8 0	290
β Aurigæ ...	2.1	8 42	288
ο Ursæ Majoris	3.5	11 6	321
ι Ursæ Majoris	3.1	11 46	295
θ Ursæ Majoris	3.3	12 20	302
α Ursæ Majoris	2.0	13 38	324
β Ursæ Majoris	2.4	13 47	312
γ Ursæ Majoris	2.5	14 42	307
δ Ursæ Majoris	3.4	15 0	314
ε Ursæ Majoris	1.7	15 41	311
ζ ¹ Ursæ Majoris	2.4	16 13	309
α Draconis ...	3.6	16 29	329
η Ursæ Majoris	1.9	16 36	298
ι Draconis ...	3.5	18 9	317
η Draconis ...	2.9	19 3	322
ζ Draconis ...	3.2	19 32	332
β Draconis ...	3.0	20 22	303
γ Draconis ...	2.4	20 48	301
δ Draconis ...	3.2	21 21	336
δ Cygni ...	3.0	22 30	288
α Cephei ...	2.6	23 56	324

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Persei	3·1	0 10	54
α Persei	1·9	0 30	61
δ Persei	3·1	0 49	65
α Aurigæ	0·2	2 24	68
β Aurigæ	2·1	3 8	70
ο Ursæ Majoris	3·5	5 49	37
ι Ursæ Majoris	3·1	6 5	63
θ Ursæ Majoris	3·3	6 38	56
β Ursæ Majoris	2·4	8 12	46
α Ursæ Majoris	2·0	8 28	35
γ Ursæ Majoris	2·5	9 2	52
δ Ursæ Majoris	3·4	9 27	45
ε Ursæ Majoris	1·7	10 4	47
ζ ¹ Ursæ Majoris	2·4	10 34	49
η Ursæ Majoris	1·9	10 55	61
α Draconis ...	3·6	11 44	29
ι Draconis ...	3·5	12 43	41
η Draconis ...	2·9	13 50	36
β Draconis ...	3·0	14 40	55
ζ Draconis ...	3·2	14 57	26
γ Draconis ...	2·4	15 6	57
δ Cygni	3·0	16 56	70
α Cephei	2·6	18 46	35
ζ Cephei	3·6	19 25	44
β Cassiopeiæ ...	2·4	21 23	42
α Cassiopeiæ ...	2·5	21 50	48
γ Cassiopeiæ ...	2·3	22 15	39
δ Cassiopeiæ ...	2·8	22 41	40
ε Cassiopeiæ ...	3·4	23 23	32

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Arietis	2·2	0 10	120
β Arietis	2·7	0 11	128
η Piscium... ..	3·7	0 27	150
17 Tauri	3·8	1 44	118
η Tauri	3·0	1 48	118
ε Tauri	3·6	2 53	133
γ Tauri	3·9	3 11	148
α Tauri	1·1	3 18	143
ζ Tauri	3·0	3 50	126
μ Geminorum ...	3·2	4 27	121
ε Geminorum ...	3·2	4 38	114
γ Geminorum ...	1·9	5 19	143
δ Geminorum ...	3·5	5 27	123
ε Leonis	3·1	7 44	117
γ ¹ Leonis	2·6	8 36	129
δ Leonis	2·6	9 28	126
θ Leonis	3·4	10 1	145
β Leonis	2·2	10 43	149
η Boötis	2·8	12 21	134
α Boötis	0·2	12 38	131
β Herculis	2·8	14 41	124
γ Serpentis ...	3·9	14 44	145
γ Herculis	3·8	14 45	132
δ Herculis	3·2	15 12	115
α Herculis	3·5	16 16	152
β Cygni	3·2	17 16	108
ζ Aquilæ	3·0	18 15	156
α Delphini	3·9	19 29	147
ι Pegasi	4·0	20 3	115
μ Pegasi	3·7	20 49	117
α Pegasi	2·6	22 2	150
γ Pegasi	2·9	23 11	151

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Pegasi	2.6	0 0	210
ι Pegasi	4.0	0 3	245
μ Pegasi	3.7	0 43	243
γ Pegasi	2.9	1 7	209
η Piscium... ..	3.7	2 27	210
β Arietis	2.7	3 29	232
α Arietis	2.2	3 56	240
γ Tauri	3.9	5 19	212
ι Tauri	3.8	5 36	242
η Tauri	3.0	5 38	242
α Tauri	1.1	5 44	217
ϵ Tauri	3.6	5 55	227
ζ Tauri	3.0	7 16	234
γ Geminorum ...	1.9	7 47	217
μ Geminorum ...	3.2	8 9	239
ϵ Geminorum ...	3.2	8 40	246
δ Geminorum ...	3.5	9 3	237
β Geminorum ...	1.2	9 52	253
ϵ Leonis	3.1	11 38	243
γ^1 Leonis	2.6	11 54	232
θ Leonis	3.4	12 19	215
β Leonis	2.2	12 47	211
δ Leonis	2.6	12 52	234
η Boötis	2.8	15 21	226
α Boötis	0.2	15 46	229
γ Serpentis ...	3.9	17 2	215
γ Herculis	3.8	17 51	228
α Herculis	3.5	18 6	208
β Herculis	2.8	18 13	236
δ Herculis	3.2	19 12	245
ζ Aquilæ	3.0	19 49	204
α Delphini	3.9	21 43	213

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Cephei	3.6	0 51	316
β Cassiopeiæ ...	2.4	2 47	318
α Cassiopeiæ ...	2.5	3 22	312
γ Cassiopeiæ ...	2.3	3 29	321
δ Cassiopeiæ ...	2.8	3 59	320
ϵ Cassiopeiæ ...	3.4	4 15	328
γ Persei	3.1	5 48	306
α Persei	1.9	6 8	299
δ Persei	3.1	6 25	295
α Aurigæ	0.2	7 58	292
β Aurigæ	2.1	8 40	290
\circ Ursæ Majoris ...	3.5	10 59	323
ι Ursæ Majoris ...	3.1	11 43	297
θ Ursæ Majoris ...	3.3	12 16	304
α Ursæ Majoris ...	2.0	13 30	325
β Ursæ Majoris ...	2.4	13 42	314
γ Ursæ Majoris ...	2.5	14 38	308
δ Ursæ Majoris ...	3.4	14 55	315
ϵ Ursæ Majoris ...	1.7	15 36	313
ζ^1 Ursæ Majoris ...	2.4	16 8	311
α Draconis	3.6	16 20	331
η Ursæ Majoris ...	1.9	16 33	299
ι Draconis	3.5	18 3	319
η Draconis	2.9	18 56	324
ζ Draconis	3.2	19 21	334
β Draconis	3.0	20 18	305
γ Draconis	2.4	20 44	303
δ Cygni	3.0	22 28	290
α Cephei	2.6	23 48	325

LATITUDE 41° NORTH.

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Persei	3·1	0 14	52
α Persei	1·9	0 33	59
δ Persei	3·1	0 51	63
α Aurigæ	0·2	2 26	67
β Aurigæ	2·1	3 10	69
ο Ursæ Majoris	3·5	5 56	36
ι Ursæ Majoris	3·1	6 8	62
θ Ursæ Majoris	3·3	6 42	54
β Ursæ Majoris	2·4	8 17	45
α Ursæ Majoris	2·0	8 36	33
γ Ursæ Majoris	2·5	9 6	50
δ Ursæ Majoris	3·4	9 33	43
ε Ursæ Majoris	1·7	10 10	45
ζ ¹ Ursæ Majoris	2·4	10 39	47
η Ursæ Majoris	1·9	10 58	59
α Draconis ...	3·6	11 54	27
ι Draconis ...	3·5	12 49	40
η Draconis ...	2·9	13 58	34
β Draconis ...	3·0	14 44	54
ζ Draconis ...	3·2	15 9	24
γ Draconis ...	2·4	15 10	56
δ Cygni	3·0	16 58	69
α Cephei	2·6	18 54	33
ζ Cephei	3·6	19 30	43
β Cassiopeiæ ...	2·4	21 29	41
α Cassiopeiæ ...	2·5	21 55	46
γ Cassiopeiæ ...	2·3	22 22	37
δ Cassiopeiæ ...	2·8	22 48	38
ε Cassiopeiæ ...	3·4	23 31	31

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Arietis	2·7	0 7	125
α Arietis	2·2	0 7	118
η Piscium... ..	3·7	0 18	145
ι ⁷ Tauri	3·8	1 42	116
η Tauri	3·0	1 45	116
ε Tauri	3·6	2 48	130
γ Tauri	3·9	3 3	143
α Tauri	1·1	3 11	139
ζ Tauri	3·0	3 46	124
μ Geminorum ...	3·2	4 25	119
γ Geminorum ...	1·9	5 13	139
δ Geminorum ...	3·5	5 24	121
ξ Geminorum ...	3·4	5 51	155
ε Leonis	3·1	7 41	115
γ ¹ Leonis	2·6	8 32	126
δ Leonis	2·6	9 24	124
θ Leonis	3·4	9 54	141
β Leonis	2·2	10 35	145
η Boötis	2·8	12 17	131
α Boötis	0·2	12 33	128
γ Serpentis ...	3·9	14 36	141
β Herculis	2·8	14 38	122
γ Herculis	3·8	14 41	129
δ Herculis	3·2	15 10	113
α Herculis	3·5	16 6	147
ζ Aquilæ	3·0	18 5	151
α Delphini	3·9	19 22	143
ι Pegasi	4·0	20 1	113
μ Pegasi	3·7	20 47	115
α Pegasi	2·6	21 54	146
γ Pegasi	2·9	23 3	147

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ι Pegasi	4.0	0 5	247
α Pegasi	2.6	0 8	214
μ Pegasi	3.7	0 45	245
γ Pegasi	2.9	1 15	213
η Piscium... ..	3.7	2 36	215
β Arietis	2.7	3 33	235
α Arietis	2.2	3 59	242
γ Tauri	3.9	5 27	217
ι Tauri	3.8	5 38	244
η Tauri	3.0	5 41	244
α Tauri	1.1	5 51	221
ϵ Tauri	3.6	6 0	230
ζ Tauri	3.0	7 20	236
ξ Geminorum ...	3.4	7 31	205
γ Geminorum ...	1.9	7 53	221
μ Geminorum ...	3.2	8 11	241
δ Geminorum ...	3.5	9 6	239
ϵ Leonis	3.1	11 41	245
γ^1 Leonis	2.6	11 58	234
θ Leonis	3.4	12 26	219
β Leonis	2.2	12 55	215
δ Leonis	2.6	12 56	236
η Boötis	2.8	15 25	229
α Boötis	0.2	15 51	232
γ Serpentis ...	3.9	17 10	219
γ Herculis	3.8	17 55	231
β Herculis	2.8	18 16	238
α Herculis	3.5	18 16	213
δ Herculis	3.2	19 14	247
ζ Aquilæ	3.0	19 59	209
α Delphini	3.9	21 50	217

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Cephei	3.6	0 46	317
β Cassiopeiæ ...	2.4	2 41	319
α Cassiopeiæ ...	2.5	3 17	314
γ Cassiopeiæ ...	2.3	3 22	323
δ Cassiopeiæ ...	2.8	3 52	322
ϵ Cassiopeiæ ...	3.4	4 7	329
γ Persei	3.1	5 44	308
α Persei	1.9	6 5	301
δ Persei	3.1	6 23	297
α Aurigæ	0.2	7 56	293
β Aurigæ	2.1	8 38	291
\circ Ursæ Majoris ...	3.5	10 52	324
ι Ursæ Majoris ...	3.1	11 40	298
θ Ursæ Majoris ...	3.3	12 12	306
α Ursæ Majoris ...	2.0	13 22	327
β Ursæ Majoris ...	2.4	13 37	315
γ Ursæ Majoris ...	2.5	14 34	310
δ Ursæ Majoris ...	3.4	14 49	317
ϵ Ursæ Majoris ...	1.7	15 30	315
ζ^1 Ursæ Majoris ...	2.4	16 3	313
α Draconis	3.6	16 10	333
η Ursæ Majoris ...	1.9	16 30	301
ι Draconis	3.5	17 57	320
η Draconis	2.9	18 48	326
ζ Draconis	3.2	19 9	336
β Draconis	3.0	20 14	306
γ Draconis	2.4	20 40	304
δ Cygni	3.0	22 26	291
α Cephei	2.6	23 40	327

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Persei	3.1	0 18	51
α Persei	1.9	0 36	58
δ Persei	3.1	0 54	62
α Aurigæ	0.2	2 28	65
β Aurigæ	2.1	3 12	67
ο Ursæ Majoris	3.5	6 3	34
ι Ursæ Majoris	3.1	6 11	60
θ Ursæ Majoris	3.3	6 46	53
β Ursæ Majoris	2.4	8 22	43
α Ursæ Majoris	2.0	8 44	31
γ Ursæ Majoris	2.5	9 11	49
δ Ursæ Majoris	3.4	9 38	42
ε Ursæ Majoris	1.7	10 15	44
ζ ¹ Ursæ Majoris	2.4	10 44	46
η Ursæ Majoris	1.9	11 1	58
α Draconis ...	3.6	12 5	25
ι Draconis ...	3.5	12 55	38
η Draconis ...	2.9	14 6	32
β Draconis ...	3.0	14 48	52
γ Draconis ...	2.4	15 13	54
δ Cygni	3.0	17 0	67
α Cephei	2.6	19 2	31
ζ Cephei	3.6	19 36	41
β Cassiopeiæ ...	2.4	21 35	39
α Cassiopeiæ ...	2.5	22 0	45
γ Cassiopeiæ ...	2.3	22 29	36
δ Cassiopeiæ ...	2.8	22 55	37
ε Cassiopeiæ ...	3.4	23 41	29

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Arietis	2.7	0 3	123
α Arietis	2.2	0 5	115
η Piscium	3.7	0 11	141
17 Tauri	3.8	1 39	113
η Tauri	3.0	1 42	113
ε Tauri	3.6	2 44	127
γ Tauri	3.9	2 56	139
α Tauri	1.1	3 6	136
ζ Tauri	3.0	3 43	121
μ Geminorum ...	3.2	4 22	117
γ Geminorum ...	1.9	5 7	136
δ Geminorum ...	3.5	5 21	118
ξ Geminorum ...	3.4	5 42	150
γ ¹ Leonis	2.6	8 28	123
α Leonis	1.3	9 12	154
δ Leonis	2.6	9 21	121
θ Leonis	3.4	9 48	138
β Leonis	2.2	10 28	141
η Boötis	2.8	12 13	128
α Boötis	0.2	12 29	125
γ Serpentis ...	3.9	14 30	137
β Herculis	2.8	14 35	119
γ Herculis	3.8	14 37	126
α Herculis	3.5	15 59	143
α Ophiuchi	2.1	16 36	152
ζ Aquilæ	3.0	17 57	147
α Delphini	3.9	19 15	139
α Pegasi	2.6	21 47	142
γ Pegasi	2.9	22 56	143

SW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h.	m.	°
α Pegasi ...	2.6	0	15	218
γ Pegasi ...	2.9	1	22	217
η Piscium...	3.7	2	43	219
β Arietis ...	2.7	3	37	237
α Arietis ...	2.2	4	1	245
γ Tauri ...	3.9	5	34	221
17 Tauri ...	3.8	5	41	247
η Tauri ...	3.0	5	44	247
α Tauri ...	1.1	5	56	224
ε Tauri ...	3.6	6	4	233
ζ Tauri ...	3.0	7	23	239
ξ Geminorum ...	3.4	7	40	210
γ Geminorum ...	1.9	7	59	224
μ Geminorum ...	3.2	8	14	243
δ Geminorum ...	3.5	9	9	242
α Leonis ...	1.3	10	56	206
γ ¹ Leonis ...	2.6	12	2	237
θ Leonis ...	3.4	12	32	222
δ Leonis ...	2.6	12	59	239
β Leonis ...	2.2	13	1	219
η Boötis ...	2.8	15	29	232
α Boötis ...	0.2	15	55	235
γ Serpentis ...	3.9	17	16	223
γ Herculis ...	3.8	17	59	234
β Herculis ...	2.8	18	19	241
α Herculis ...	3.5	18	23	217
α Ophiuchi ...	2.1	18	26	208
ζ Aquilæ ...	3.0	20	7	213
α Delphini ...	3.9	21	57	221

NW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h.	m.	°
ζ Cephei ...	3.6	0	40	319
β Cassiopeiæ ...	2.4	2	35	321
α Cassiopeiæ ...	2.5	3	12	315
γ Cassiopeiæ ...	2.3	3	15	324
δ Cassiopeiæ ...	2.8	3	45	323
ε Cassiopeiæ ...	3.4	3	57	331
γ Persei ...	3.1	5	40	309
α Persei ...	1.9	6	2	302
δ Persei ...	3.1	6	20	298
α Aurigæ ...	0.2	7	54	295
β Aurigæ ...	2.1	8	36	293
ο Ursæ Majoris	3.5	10	45	326
ι Ursæ Majoris	3.1	11	37	300
θ Ursæ Majoris	3.3	12	8	307
α Ursæ Majoris	2.0	13	14	329
β Ursæ Majoris	2.4	13	32	317
γ Ursæ Majoris	2.5	14	29	311
δ Ursæ Majoris	3.4	14	44	318
ε Ursæ Majoris	1.7	15	25	316
ζ ¹ Ursæ Majoris	2.4	15	58	314
α Draconis ...	3.6	15	59	335
η Ursæ Majoris	1.9	16	27	302
ι Draconis ...	3.5	17	51	322
η Draconis ...	2.9	18	40	328
β Draconis ...	3.0	20	10	308
γ Draconis ...	2.4	20	37	306
δ Cygni ...	3.0	22	24	293
α Cephei ...	2.6	23	32	329

NE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
γ Persei	3.1	0 23	49	
α Persei	1.9	0 40	56	
δ Persei	3.1	0 57	61	
α Aurigæ	0.2	2 31	64	
β Aurigæ	2.1	3 14	65	
ο Ursæ Majoris	3.5	6 12	32	
ι Ursæ Majoris	3.1	6 14	59	
θ Ursæ Majoris	3.3	6 50	51	
ψ Ursæ Majoris	3.2	8 25	66	
β Ursæ Majoris	2.4	8 28	41	
α Ursæ Majoris	2.0	8 53	29	
γ Ursæ Majoris	2.5	9 16	47	
δ Ursæ Majoris	3.4	9 44	40	
ε Ursæ Majoris	1.7	10 21	42	
ζ ¹ Ursæ Majoris	2.4	10 49	44	
η Ursæ Majoris	1.9	11 5	56	
ι Draconis	3.5	13 3	36	
η Draconis	2.9	14 14	30	
β Draconis	3.0	14 52	51	
γ Draconis	2.4	15 17	53	
δ Cygni	3.0	17 2	66	
α Cygni	1.3	17 59	66	
α Cephei	2.6	19 12	29	
ζ Cephei	3.6	19 42	39	
β Cassiopeiæ ...	2.4	21 42	37	
α Cassiopeiæ ...	2.5	22 6	43	
γ Cassiopeiæ ...	2.3	22 36	34	
δ Cassiopeiæ ...	2.8	23 2	35	
ε Cassiopeiæ ...	3.4	23 52	26	

SE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
β Arietis	2.7	0 0	120	
η Piscium... ..	3.7	0 5	138	
η Tauri	3.0	1 40	111	
ε Tauri	3.6	2 40	124	
γ Tauri	3.9	2 50	136	
α Tauri	1.1	3 1	133	
ζ Tauri	3.0	3 40	118	
μ Geminorum ...	3.2	4 20	114	
γ Geminorum ...	1.9	5 2	132	
δ Geminorum ...	3.5	5 18	116	
ξ Geminorum ...	3.4	5 33	145	
γ ¹ Leonis	2.6	8 25	120	
α Leonis	1.3	9 2	148	
δ Leonis	2.6	9 18	118	
θ Leonis	3.4	9 43	134	
β Leonis	2.2	10 22	137	
ε Virginis	3.0	12 5	153	
η Boötis	2.8	12 9	125	
α Boötis	0.2	12 26	122	
γ Serpentis	3.9	14 25	134	
β Herculis	2.8	14 32	117	
γ Herculis	3.8	14 33	123	
α Herculis	3.5	15 52	139	
α Ophiuchi	2.1	16 26	147	
ζ Aquilæ	3.0	17 49	142	
α Delphini	3.9	19 10	135	
ε Delphini	4.0	19 41	156	
α Pegasi	2.6	21 40	138	
γ Pegasi	2.9	22 49	139	

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Pegasi ...	2.6	0 22	222
γ Pegasi ...	2.9	1 29	221
η Piscium...	3.7	2 49	222
β Arietis ...	2.7	3 40	240
γ Tauri ...	3.9	5 40	224
α Tauri ...	1.1	6 2	228
ϵ Tauri ...	3.6	6 8	236
ζ Tauri ...	3.0	7 26	242
ξ Geminorum ...	3.4	7 49	215
γ Geminorum ...	1.9	8 4	228
μ Geminorum ...	3.2	8 16	246
δ Geminorum ...	3.5	9 12	244
α Leonis ...	1.3	11 6	212
γ^1 Leonis ...	2.6	12 5	240
θ Leonis ...	3.4	12 38	226
δ Leonis ...	2.6	13 2	242
β Leonis ...	2.2	13 8	223
ϵ Virginis...	3.0	13 51	207
η Boötis ...	2.8	15 34	235
α Boötis ...	0.2	15 58	238
γ Serpentis ...	3.9	17 21	226
γ Herculis ...	3.8	18 3	237
β Herculis ...	2.8	18 22	243
α Herculis ...	3.5	18 30	221
α Ophiuchi ...	2.1	18 36	213
ζ Aquilæ ...	3.0	20 15	218
ϵ Delphini ...	4.0	21 17	204
α Delphini ...	3.9	22 2	225

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Cephei ...	3.6	0 34	321
β Cassiopeiæ ...	2.4	2 28	323
α Cassiopeiæ ...	2.5	3 6	317
γ Cassiopeiæ ...	2.3	3 8	326
δ Cassiopeiæ ...	2.8	3 38	325
ϵ Cassiopeiæ ...	3.4	3 46	334
γ Persei ...	3.1	5 35	311
α Persei ...	1.9	5 58	304
δ Persei ...	3.1	6 17	299
α Aurigæ ...	0.2	7 51	296
β Aurigæ ...	2.1	8 34	295
\circ Ursæ Majoris ...	3.5	10 36	328
ι Ursæ Majoris ...	3.1	11 34	301
θ Ursæ Majoris ...	3.3	12 4	309
α Ursæ Majoris ...	2.0	13 5	331
β Ursæ Majoris ...	2.4	13 26	319
ψ Ursæ Majoris ...	3.2	13 45	294
γ Ursæ Majoris ...	2.5	14 24	313
δ Ursæ Majoris ...	3.4	14 38	320
ϵ Ursæ Majoris ...	1.7	15 19	318
ζ^1 Ursæ Majoris ...	2.4	15 53	316
η Ursæ Majoris ...	1.9	16 23	304
ι Draconis ...	3.5	17 43	324
η Draconis ...	2.9	18 32	330
β Draconis ...	3.0	20 6	309
γ Draconis ...	2.4	20 33	307
δ Cygni ...	3.0	22 22	294
α Cygni ...	1.3	23 19	294
α Cephei ...	2.6	23 22	331

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ε <i>Cassiopeiae</i> ...	3.4	0 3	24
γ <i>Persei</i> ...	3.1	0 28	47
α <i>Persei</i> ...	1.9	0 43	55
δ <i>Persei</i> ...	3.1	1 0	59
α <i>Aurigæ</i> ...	0.2	2 33	62
β <i>Aurigæ</i> ...	2.1	3 17	64
ι <i>Ursæ Majoris</i>	3.1	6 17	57
ο <i>Ursæ Majoris</i>	3.5	6 20	30
θ <i>Ursæ Majoris</i>	3.3	6 54	50
ψ <i>Ursæ Majoris</i>	3.2	8 28	64
β <i>Ursæ Majoris</i>	2.4	8 34	40
α <i>Ursæ Majoris</i>	2.0	9 3	27
γ <i>Ursæ Majoris</i>	2.5	9 21	46
δ <i>Ursæ Majoris</i>	3.4	9 51	38
ε <i>Ursæ Majoris</i>	1.7	10 27	41
ζ ¹ <i>Ursæ Majoris</i>	2.4	10 55	43
η <i>Ursæ Majoris</i>	1.9	11 8	55
ι <i>Draconis</i> ...	3.5	13 10	34
η <i>Draconis</i> ...	2.9	14 23	28
β <i>Draconis</i> ...	3.0	14 57	49
γ <i>Draconis</i> ...	2.4	15 21	51
δ <i>Cygni</i> ...	3.0	17 5	64
α <i>Cygni</i> ...	1.3	18 2	64
α <i>Cephei</i> ...	2.6	19 21	27
ζ <i>Cephei</i> ...	3.6	19 49	37
β <i>Cassiopeiae</i> ...	2.4	21 49	35
α <i>Cassiopeiae</i> ...	2.5	22 12	41
γ <i>Cassiopeiae</i> ...	2.3	22 44	32
δ <i>Cassiopeiae</i> ...	2.8	23 9	33

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
η <i>Piscium</i> ...	3.7	0 0	134
η <i>Tauri</i> ...	3.0	1 38	109
ε <i>Tauri</i> ...	3.6	2 37	122
γ <i>Tauri</i> ...	3.9	2 45	133
α <i>Tauri</i> ...	1.1	2 56	130
ζ <i>Tauri</i> ...	3.0	3 38	116
γ <i>Geminorum</i> ...	1.9	4 57	129
ξ <i>Geminorum</i> ...	3.4	5 26	141
γ ¹ <i>Leonis</i> ...	2.6	8 22	118
ο <i>Leonis</i> ...	3.8	8 45	154
α <i>Leonis</i> ...	1.3	8 54	144
δ <i>Leonis</i> ...	2.6	9 15	116
θ <i>Leonis</i> ...	3.4	9 38	131
ρ <i>Leonis</i> ...	3.9	9 45	158
β <i>Leonis</i> ...	2.2	10 17	134
ε <i>Virginis</i> ...	3.0	11 56	148
η <i>Boötis</i> ...	2.8	12 5	122
α <i>Boötis</i> ...	0.2	12 23	119
γ <i>Serpentis</i> ...	3.9	14 21	131
γ <i>Herculis</i> ...	3.8	14 30	121
β <i>Herculis</i> ...	2.8	14 30	114
α <i>Herculis</i> ...	3.5	15 47	136
α <i>Ophiuchi</i> ...	2.1	16 19	143
ζ <i>Aquilæ</i> ...	3.0	17 43	139
γ <i>Aquilæ</i> ...	2.8	18 49	153
α <i>Delphini</i> ...	3.9	19 5	132
ε <i>Delphini</i> ...	4.0	19 31	150
ε <i>Pegasi</i> ...	2.5	20 58	159
α <i>Pegasi</i> ...	2.6	21 35	135
ζ <i>Pegasi</i> ...	3.6	21 44	153
γ <i>Pegasi</i> ...	2.9	22 43	135
β <i>Arietis</i> ...	2.7	23 57	118

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Pegasi ...	2.6	0 27	225
γ Pegasi ...	2.9	1 35	225
η Piscium...	3.7	2 54	226
β Arietis ...	2.7	3 43	242
γ Tauri ...	3.9	5 45	227
α Tauri ...	1.1	6 6	230
ε Tauri ...	3.6	6 11	238
ζ Tauri ...	3.0	7 28	244
ξ Geminorum ...	3.4	7 56	219
γ Geminorum ...	1.9	8 9	231
ο Leonis ...	3.8	10 29	206
ρ Leonis ...	3.9	11 13	202
α Leonis ...	1.3	11 14	216
γ ¹ Leonis ...	2.6	12 8	242
θ Leonis ...	3.4	12 42	229
δ Leonis ...	2.6	13 5	244
β Leonis ...	2.2	13 13	226
ε Virginis...	3.0	14 0	212
η Boötis ...	2.8	15 37	238
α Boötis ...	0.2	16 1	241
γ Serpentis ...	3.9	17 25	229
γ Herculis ...	3.8	18 6	239
β Herculis...	2.8	18 25	246
α Herculis ...	3.5	18 35	224
α Ophiuchi ...	2.1	18 43	217
ζ Aquilæ ...	3.0	20 21	221
γ Aquilæ ...	2.8	20 35	207
ε Delphini ...	4.0	21 27	210
α Delphini ...	3.9	22 7	228
ε Pegasi ...	2.5	22 22	201
ζ Pegasi ...	3.6	23 30	207

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Cephei ...	3.6	0 27	323
β Cassiopeiæ ...	2.4	2 21	325
α Cassiopeiæ ...	2.5	3 0	319
γ Cassiopeiæ ...	2.3	3 0	328
δ Cassiopeiæ ...	2.8	3 31	327
ε Cassiopeiæ ...	3.4	3 35	336
γ Persei ...	3.1	5 30	313
α Persei ...	1.9	5 55	305
δ Persei ...	3.1	6 14	301
α Aurigæ ...	0.2	7 49	298
β Aurigæ ...	2.1	8 31	296
ο Ursæ Majoris	3.5	10 28	330
ι Ursæ Majoris	3.1	11 31	303
θ Ursæ Majoris	3.3	12 0	310
α Ursæ Majoris	2.0	12 55	333
β Ursæ Majoris	2.4	13 20	320
ψ Ursæ Majoris	3.2	13 42	296
γ Ursæ Majoris	2.5	14 19	314
δ Ursæ Majoris	3.4	14 31	322
ε Ursæ Majoris	1.7	15 13	319
ζ ¹ Ursæ Majoris	2.4	15 47	317
η Ursæ Majoris	1.9	16 20	305
ι Draconis ...	3.5	17 36	326
η Draconis ...	2.9	18 23	332
β Draconis ...	3.0	20 1	311
γ Draconis ...	2.4	20 29	309
δ Cygni ...	3.0	22 19	296
α Cephei ...	2.6	23 13	333
α Cygni ...	1.3	23 16	296

LATITUDE 37° NORTH.

NE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
γ Persei ...	3.1	0 33	46	
α Persei ...	1.9	0 47	53	
δ Persei ...	3.1	1 3	57	
α Aurigæ ...	0.2	2 36	61	
β Aurigæ ...	2.1	3 19	62	
ι Ursæ Majoris	3.1	6 20	56	
ο Ursæ Majoris	3.5	6 29	28	
θ Ursæ Majoris	3.3	6 58	48	
ψ Ursæ Majoris	3.2	8 30	62	
β Ursæ Majoris	2.4	8 41	38	
α Ursæ Majoris	2.0	9 14	24	
γ Ursæ Majoris	2.5	9 26	44	
δ Ursæ Majoris	3.4	9 57	36	
ε Ursæ Majoris	1.7	10 33	39	
ζ ¹ Ursæ Majoris	2.4	11 0	41	
η Ursæ Majoris	1.9	11 12	53	
ι Draconis ...	3.5	13 18	32	
η Draconis ...	2.9	14 32	26	
β Draconis ...	3.0	15 1	47	
γ Draconis ...	2.4	15 25	49	
δ Cygni ...	3.0	17 7	63	
α Cygni ...	1.3	18 4	62	
α Cephei ...	2.6	19 32	24	
ζ Cephei ...	3.6	19 56	35	
β Cassiopeiæ ...	2.4	21 57	33	
α Cassiopeiæ ...	2.5	22 18	39	
γ Cassiopeiæ ...	2.3	22 53	29	
δ Cassiopeiæ ...	2.8	23 18	31	

SE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
η Tauri ...	3.0	1 36	107	
ε Tauri ...	3.6	2 34	119	
γ Tauri ...	3.9	2 41	130	
α Tauri ...	1.1	2 52	127	
ζ Tauri ...	3.0	3 36	113	
γ Geminorum ...	1.9	4 53	126	
ξ Geminorum ...	3.4	5 20	138	
β Cancrī ...	3.8	7 19	153	
γ ¹ Leonis ...	2.6	8 19	115	
ο Leonis ...	3.8	8 37	149	
α Leonis ...	1.3	8 47	140	
δ Leonis ...	2.6	9 12	114	
θ Leonis ...	3.4	9 33	128	
ρ Leonis ...	3.9	9 34	152	
β Leonis ...	2.2	10 12	131	
ε Virginis ...	3.0	11 48	144	
η Boötis ...	2.8	12 2	120	
α Boötis ...	0.2	12 20	117	
γ Serpentis ...	3.9	14 16	128	
γ Herculis ...	3.8	14 27	119	
α Herculis ...	3.5	15 42	133	
κ Ophiuchi ...	3.4	16 1	153	
α Ophiuchi ...	2.1	16 13	139	
72 Ophiuchi ...	3.7	17 10	153	
ζ Aquilæ ...	3.0	17 38	135	
γ Aquilæ ...	2.8	18 40	148	
α Delphini ...	3.9	19 1	129	
α Aquilæ ...	0.9	19 3	158	
ε Delphini ...	4.0	19 23	146	
ε Pegasi ...	2.5	20 47	153	
α Pegasi ...	2.6	21 30	132	
ζ Pegasi ...	3.6	21 36	148	
γ Pegasi ...	2.9	22 38	132	
β Arietis ...	2.7	23 54	115	
η Piscium ...	3.7	23 55	131	

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Pegasi ...	2.6	0 32	228
γ Pegasi ...	2.9	1 40	228
η Piscium ...	3.7	2 59	229
β Arietis ...	2.7	3 46	245
γ Tauri ...	3.9	5 49	230
α Tauri ...	1.1	6 10	233
ϵ Tauri ...	3.6	6 14	241
ζ Tauri ...	3.0	7 30	247
ξ Geminorum ...	3.4	8 2	222
γ Geminorum ...	1.9	8 13	234
β Cancri ...	3.8	9 5	207
\circ Leonis ...	3.8	10 37	211
α Leonis ...	1.3	11 21	220
ρ Leonis ...	3.9	11 24	208
γ^1 Leonis ...	2.6	12 11	245
θ Leonis ...	3.4	12 47	232
δ Leonis ...	2.6	13 8	246
β Leonis ...	2.2	13 17	229
ϵ Virginis ...	3.0	14 8	216
η Boötis ...	2.8	15 40	240
α Boötis ...	0.2	16 4	243
γ Serpentis ...	3.9	17 30	232
κ Ophiuchi ...	3.4	17 47	207
γ Herculis ...	3.8	18 9	241
α Herculis ...	3.5	18 40	227
α Ophiuchi ...	2.1	18 49	221
γ^2 Ophiuchi ...	3.7	18 56	207
ζ Aquilæ ...	3.0	20 27	225
α Aquilæ ...	0.9	20 31	202
γ Aquilæ ...	2.8	20 44	212
ϵ Delphini ...	4.0	21 35	214
α Delphini ...	3.9	22 11	231
ϵ Pegasi ...	2.5	22 33	207
ζ Pegasi ...	3.6	23 38	212

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Cephei ...	3.6	0 20	325
β Cassiopeia ...	2.4	2 13	327
γ Cassiopeia ...	2.3	2 51	331
α Cassiopeia ...	2.5	2 54	321
δ Cassiopeia ...	2.8	3 22	329
γ Persei ...	3.1	5 25	314
α Persei ...	1.9	5 51	307
δ Persei ...	3.1	6 11	303
α Aurigæ ...	0.2	7 46	299
β Aurigæ ...	2.1	8 29	298
\circ Ursæ Majoris ...	3.5	10 19	332
ι Ursæ Majoris ...	3.1	11 28	304
θ Ursæ Majoris ...	3.3	11 56	312
α Ursæ Majoris ...	2.0	12 44	336
β Ursæ Majoris ...	2.4	13 13	322
ψ Ursæ Majoris ...	3.2	13 40	298
γ Ursæ Majoris ...	2.5	14 14	316
δ Ursæ Majoris ...	3.4	14 25	324
ϵ Ursæ Majoris ...	1.7	15 7	321
ζ^1 Ursæ Majoris ...	2.4	15 42	319
η Ursæ Majoris ...	1.9	16 16	307
ι Draconis ...	3.5	17 28	328
η Draconis ...	2.9	18 14	334
β Draconis ...	3.0	19 57	313
γ Draconis ...	2.4	20 25	311
δ Cygni ...	3.0	22 17	297
α Cephei ...	2.6	23 2	336
α Cygni ...	1.3	23 14	298

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Persei ...	3·1	0 38	44
α Persei ...	1·9	0 51	52
δ Persei ...	3·1	1 6	56
α Aurigæ ...	0·2	2 39	59
β Aurigæ ...	2·1	3 22	61
ι Ursæ Majoris	3·1	6 24	54
ο Ursæ Majoris	3·5	6 39	25
θ Ursæ Majoris	3·3	7 3	47
ψ Ursæ Majoris	3·2	8 33	61
β Ursæ Majoris	2·4	8 48	36
γ Ursæ Majoris	2·5	9 32	42
δ Ursæ Majoris	3·4	10 5	34
ε Ursæ Majoris	1·7	10 39	37
ζ Ursæ Majoris	2·4	11 6	39
η Ursæ Majoris	1·9	11 16	51
ι Draconis ...	3·5	13 26	30
η Herculis ...	3·6	14 8	72
η Draconis ...	2·9	14 45	23
β Draconis ...	3·0	15 6	46
γ Draconis ...	2·4	15 30	48
δ Cygni ...	3·0	17 10	61
α Cygni ...	1·3	18 7	61
ζ Cephei ...	3·6	20 4	33
β Cassiopeïæ ...	2·4	22 5	31
α Cassiopeïæ ...	2·5	22 24	38
γ Cassiopeïæ ...	2·3	23 3	27
δ Cassiopeïæ ...	2·8	23 26	29

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ο Tauri ...	3·8	2 25	152
ε Tauri ...	3·6	2 32	117
γ Tauri ...	3·9	2 37	127
α Tauri ...	1·1	2 49	124
ζ Tauri ...	3·0	3 34	111
γ Geminorum ...	1·9	4 50	124
ξ Geminorum ...	3·4	5 15	134
β Canis Minoris	3·1	6 30	153
β Cancrī ...	3·8	7 10	148
ο Leonis ...	3·8	8 29	145
α Leonis ...	1·3	8 41	136
ρ Leonis ...	3·9	9 26	147
θ Leonis ...	3·4	9 29	125
β Leonis ...	2·2	10 8	128
ε Virginis ...	3·0	11 41	140
η Boötis ...	2·8	11 59	117
α Boötis ...	0·2	12 17	115
γ Serpentis ...	3·9	14 12	125
γ Herculis ...	3·8	14 24	116
α Herculis ...	3·5	15 38	130
κ Ophiuchi ...	3·4	15 52	148
α Ophiuchi ...	2·1	16 8	136
72 Ophiuchi ...	3·7	17 1	148
ζ Aquilæ ...	3·0	17 33	132
γ Aquilæ ...	2·8	18 32	144
α Aquilæ ...	0·9	18 53	152
α Delphini ...	3·9	18 57	126
ε Delphini ...	4·0	19 16	142
ε Pegasi ...	2·5	20 38	148
α Pegasi ...	2·6	21 26	129
ζ Pegasi ...	3·6	21 28	144
γ Pegasi ...	2·9	22 34	129
η Piscium ...	3·7	23 51	128

SW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
α Pegasi ...	2.6	0 36	231	
γ Pegasi ...	2.9	1 44	231	
η Piscium...	3.7	3 3	232	
β <i>Arietis</i> ...	2.7	3 48	247	
ο Tauri ...	3.8	4 15	208	
γ Tauri ...	3.9	5 53	233	
α Tauri ...	1.1	6 13	236	
ε Tauri ...	3.6	6 16	243	
ζ <i>Tauri</i> ...	3.0	7 32	249	
ξ Geminorum ...	3.4	8 7	226	
γ Geminorum ...	1.9	8 16	236	
β Canis Minoris	3.1	8 16	207	
β Cancrī ...	3.8	9 14	212	
ο Leonis ...	3.8	10 45	215	
α Leonis ...	1.3	11 27	224	
ρ Leonis ...	3.9	11 32	213	
θ Leonis ...	3.4	12 51	235	
β Leonis ...	2.2	13 22	232	
ε Virginis...	3.0	14 15	220	
η Boötis ...	2.8	15 43	243	
α Boötis ...	0.2	16 7	245	
γ Serpentis	3.9	17 34	235	
κ Ophiuchi	3.4	17 56	212	
γ Herculis	3.8	18 12	244	
α Herculis	3.5	18 44	230	
α Ophiuchi	2.1	18 54	224	
72 Ophiuchi	3.7	19 5	212	
ζ Aquilæ ...	3.0	20 31	228	
α Aquilæ ...	0.9	20 41	208	
γ Aquilæ ...	2.8	20 52	216	
ε Delphini	4.0	21 42	218	
α Delphini	3.9	22 15	234	
ε Pegasi ...	2.5	22 42	212	
ζ Pegasi ...	3.6	23 46	216	

NW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
ζ Cephei ...	3.6	0 12	327	
β Cassiopeiæ ...	2.4	2 5	329	
γ Cassiopeiæ ...	2.3	2 41	333	
α Cassiopeiæ ...	2.5	2 48	322	
δ Cassiopeiæ ...	2.8	3 14	331	
γ Persei ...	3.1	5 20	316	
α Persei ...	1.9	5 47	308	
δ Persei ...	3.1	6 8	304	
α Aurigæ ...	0.2	7 43	301	
β Aurigæ ...	2.1	8 26	299	
ο Ursæ Majoris	3.5	10 9	335	
ι Ursæ Majoris	3.1	11 24	306	
θ Ursæ Majoris	3.3	11 51	313	
β Ursæ Majoris	2.4	13 6	324	
ψ Ursæ Majoris	3.2	13 37	299	
γ Ursæ Majoris	2.5	14 8	318	
δ Ursæ Majoris	3.4	14 17	326	
ε Ursæ Majoris	1.7	15 1	323	
ζ ¹ Ursæ Majoris	2.4	15 36	321	
η Ursæ Majoris	1.9	16 12	309	
ι Draconis ...	3.5	17 20	330	
η <i>Draconis</i> ...	2.9	18 1	337	
η <i>Herculis</i> ...	3.6	19 12	288	
β Draconis ...	3.0	19 52	314	
γ Draconis ...	2.4	20 20	312	
δ Cygni ...	3.0	22 14	299	
α Cygni ...	1.3	23 11	299	

LATITUDE 35° NORTH.

NE. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
γ Persei	3.1	0 43	42	
α Persei	1.9	0 55	50	
δ Persei	3.1	1 10	54	
α Aurigæ	0.2	2 42	58	
β Aurigæ	2.1	3 24	59	
ι Ursæ Majoris	3.1	6 28	52	
θ Ursæ Majoris	3.3	7 8	45	
μ Ursæ Majoris	3.2	7 47	65	
ψ Ursæ Majoris	3.2	8 35	59	
β Ursæ Majoris	2.4	8 55	34	
γ Ursæ Majoris	2.5	9 37	40	
δ Ursæ Majoris	3.4	10 12	32	
ε Ursæ Majoris	1.7	10 46	35	
ζ Ursæ Majoris	2.4	11 13	37	
η Ursæ Majoris	1.9	11 20	50	
ι Draconis ...	3.5	13 34	28	
η <i>Herculis</i> ...	3.6	14 10	71	
β Draconis ...	3.0	15 11	44	
γ Draconis ...	2.4	15 34	46	
δ Cygni	3.0	17 12	60	
α Cygni	1.3	18 9	59	
ζ Cephei	3.6	20 11	31	
β Cassiopeiæ ...	2.4	22 13	29	
α Cassiopeiæ ...	2.5	22 30	36	
γ Cassiopeiæ ...	2.3	23 12	25	
γ Andromedæ ...	2.3	23 29	65	
δ Cassiopeiæ ...	2.8	23 35	26	

SE. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
ο Tauri	3.8	2 17	147	
ε Tauri	3.6	2 29	115	
γ Tauri	3.9	2 34	124	
α Tauri	1.1	2 45	121	
ζ <i>Tauri</i>	3.0	3 32	109	
π ³ <i>Orionis</i> ...	3.3	4 0	157	
γ Geminorum ...	1.9	4 47	121	
α Orionis	1.2	4 59	154	
ξ Geminorum ...	3.4	5 10	131	
β Canis Minoris	3.1	6 22	148	
β Cancri	3.8	7 3	144	
ε <i>Hydræ</i>	3.5	7 58	158	
ο Leonis	3.8	8 22	141	
α Leonis	1.3	8 36	133	
ρ Leonis	3.9	9 19	143	
θ Leonis	3.4	9 26	123	
β Leonis	2.2	10 5	125	
ε Virginis	3.0	11 36	137	
η Boötis	2.8	11 57	115	
α <i>Boötis</i>	0.2	12 15	113	
γ Serpentis ...	3.9	14 9	123	
γ <i>Herculis</i> ...	3.8	14 22	114	
α <i>Serpentis</i> ...	2.8	14 56	158	
α <i>Herculis</i> ...	3.5	15 34	127	
κ Ophiuchi ...	3.4	15 44	144	
α Ophiuchi ...	2.1	16 3	133	
72 Ophiuchi ...	3.7	16 54	144	
ζ Aquilæ	3.0	17 28	129	
γ Aquilæ	2.8	18 25	140	
α Aquilæ	0.9	18 45	148	
α Delphini ...	3.9	18 54	124	
ε Delphini ...	4.0	19 10	138	
ε Pegasi	2.5	20 30	144	
ζ Pegasi	3.6	21 22	141	
α Pegasi	2.6	21 22	126	
γ Pegasi	2.9	22 31	126	
η Piscium	3.7	23 48	126	

LATITUDE 35° NORTH.

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SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Pegasi ...	2.6	0 40	234
γ Pegasi ...	2.9	1 47	234
η Piscium ...	3.7	3 6	234
ο Tauri ...	3.8	4 23	213
π ³ Orionis ...	3.3	5 30	203
γ Tauri ...	3.9	5 56	236
α Tauri ...	1.1	6 17	239
ε Tauri ...	3.6	6 19	245
α Orionis ...	1.2	6 43	206
ζ Tauri ...	3.0	7 34	251
ξ Geminorum ...	3.4	8 12	229
γ Geminorum ...	1.9	8 19	239
β Canis Minoris	3.1	8 24	212
β Cancrī ...	3.8	9 21	216
ε Hydrae ...	3.5	9 26	202
ο Leonis ...	3.8	10 52	219
α Leonis ...	1.3	11 32	227
ρ Leonis ...	3.9	11 39	217
θ Leonis ...	3.4	12 54	237
β Leonis ...	2.2	13 25	235
ε Virginis ...	3.0	14 20	223
η Boötis ...	2.8	15 45	245
α Boötis ...	0.2	16 9	247
α Serpentis ...	2.8	16 24	202
γ Serpentis ...	3.9	17 37	237
κ Ophiuchi ...	3.4	18 4	216
γ Herculis ...	3.8	18 14	246
α Herculis ...	3.5	18 48	233
α Ophiuchi ...	2.1	18 59	227
72 Ophiuchi ...	3.7	19 12	216
ζ Aquilæ ...	3.0	20 36	231
α Aquilæ ...	0.9	20 49	212
γ Aquilæ ...	2.8	20 59	220
ε Delphini ...	4.0	21 48	222
α Delphini ...	3.9	22 18	236
ε Pegasi ...	2.5	22 50	216
ζ Pegasi ...	3.6	23 52	219

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Cephei ...	3.6	0 5	329
β Cassiopeiae ...	2.4	1 57	331
γ Cassiopeiae ...	2.3	2 32	335
α Cassiopeiae ...	2.5	2 42	324
δ Cassiopeiae ...	2.8	3 5	334
γ Andromedæ ...	2.3	4 29	295
γ Persei ...	3.1	5 15	318
α Persei ...	1.9	5 43	310
δ Persei ...	3.1	6 4	306
α Aurigæ ...	0.2	7 40	302
β Aurigæ ...	2.1	8 24	301
ι Ursæ Majoris	3.1	11 20	308
θ Ursæ Majoris	3.3	11 46	315
μ Ursæ Majoris	3.2	12 47	295
β Ursæ Majoris	2.4	12 59	326
ψ Ursæ Majoris	3.2	13 35	301
γ Ursæ Majoris	2.5	14 3	320
δ Ursæ Majoris	3.4	14 10	328
ε Ursæ Majoris	1.7	14 54	325
ζ ¹ Ursæ Majoris	2.4	15 29	323
η Ursæ Majoris	1.9	16 8	310
ι Draconis ...	3.5	17 12	332
η Herculis ...	3.6	19 10	289
β Draconis ...	3.0	19 47	316
γ Draconis ...	2.4	20 16	314
δ Cygni ...	3.0	22 12	300
α Cygni ...	1.3	23 9	301

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Persei	3.1	0 49	40
α Persei	1.9	0 59	48
δ Persei	3.1	1 13	52
η Aurigæ	3.3	2 33	65
α Aurigæ	0.2	2 45	56
β Aurigæ	2.1	3 27	58
ι Ursæ Majoris	3.1	6 32	51
θ Ursæ Majoris	3.3	7 13	43
μ Ursæ Majoris	3.2	7 49	64
ψ Ursæ Majoris	3.2	8 38	58
β Ursæ Majoris	2.4	9 2	32
γ Ursæ Majoris	2.5	9 43	38
δ Ursæ Majoris	3.4	10 20	30
ε Ursæ Majoris	1.7	10 53	33
ζ ¹ Ursæ Majoris	2.4	11 19	35
η Ursæ Majoris	1.9	11 24	48
β Boötis	3.6	12 31	66
ι Draconis	3.5	13 43	26
η <i>Herculis</i>	3.6	14 12	69
β Draconis	3.0	15 16	42
γ Draconis	2.4	15 39	44
δ Cygni	3.0	17 15	58
α Cygni	1.3	18 12	58
ζ Cephei	3.6	20 19	29
β Cassiopeiæ ...	2.4	22 22	27
α Cassiopeiæ ...	2.5	22 37	34
γ Andromedæ ...	2.3	23 31	64

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ο Tauri	3.8	2 9	143
γ Tauri	3.9	2 30	122
α Tauri	1.1	2 42	119
π ³ Orionis	3.3	3 50	152
γ Orionis	1.7	4 31	155
γ Geminorum ...	1.9	4 44	119
α Orionis	1.2	4 51	149
ξ Geminorum ...	3.4	5 6	128
β Canis Minoris	3.1	6 14	144
β Cancri	3.8	6 57	141
ε Hydræ	3.5	7 48	152
ζ Hydræ	3.3	8 1	155
ο Leonis	3.8	8 16	137
α Leonis	1.3	8 32	130
ρ Leonis	3.9	9 12	140
θ Leonis	3.4	9 23	120
β Leonis	2.2	10 2	123
ε Virginis	3.0	11 31	133
η <i>Boötis</i>	2.8	11 55	113
α <i>Boötis</i>	0.2	12 13	111
γ Serpentis	3.9	14 6	120
α Serpentis	2.8	14 46	152
α Herculis	3.5	15 30	124
κ Ophiuchi	3.4	15 38	140
α Ophiuchi	2.1	15 58	130
72 Ophiuchi	3.7	16 48	140
ζ Aquilæ	3.0	17 24	126
γ Aquilæ	2.8	18 20	137
α Aquilæ	0.9	18 37	144
α Delphini	3.9	18 51	121
β Aquilæ	3.9	19 3	155
ε Delphini	4.0	19 4	135
ε Pegasi	2.5	20 24	140
ζ Pegasi	3.6	21 16	137
α Pegasi	2.6	21 18	123
γ Pegasi	2.9	22 27	124
ω Piscium	4.0	23 4	154
η Piscium	3.7	23 44	123

LATITUDE 34° NORTH.

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SW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
α Pegasi ...	2.6	0 44	237
ω Piscium...	4.0	0 46	206
γ Pegasi ...	2.9	1 51	236
η Piscium...	3.7	3 10	237
ο Tauri ...	3.8	4 31	217
π ³ Orionis ...	3.3	5 40	208
γ Tauri ...	3.9	6 0	238
γ Orionis ...	1.7	6 11	205
α Tauri ...	1.1	6 20	241
α Orionis ...	1.2	6 52	211
ζ Tauri ...	3.0	7 36	253
ξ Geminorum ...	3.4	8 16	232
γ Geminorum ...	1.9	8 22	241
β Canis Minoris	3.1	8 32	216
β Cancrī ...	3.8	9 27	219
ε Hydræ ...	3.5	9 36	208
ζ Hydræ ...	3.3	9 41	205
ο Leonis ...	3.8	10 58	223
α Leonis ...	1.3	11 36	230
ρ Leonis ...	3.9	11 46	220
θ Leonis ...	3.4	12 57	240
β Leonis ...	2.2	13 28	237
ε Virginis...	3.0	14 25	227
η Boötis ...	2.8	15 47	247
α Boötis ...	0.2	16 11	249
α Serpentis ...	2.8	16 34	208
γ Serpentis ...	3.9	17 40	240
κ Ophiuchi ...	3.4	18 10	220
α Herculis ...	3.5	18 52	236
α Ophiuchi ...	2.1	19 4	230
72 Ophiuchi ...	3.7	19 18	220
β Aquilæ ...	3.9	20 39	205
ζ Aquilæ ...	3.0	20 40	234
α Aquilæ ...	0.9	20 57	216
γ Aquilæ ...	2.8	21 4	223
ε Delphini ...	4.0	21 54	225
α Delphini ...	3.9	22 21	239
ε Pegasi ...	2.5	22 56	220
ζ Pegasi ...	3.6	23 58	223

NW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
β Cassiopeiae ...	2.4	1 48	333
α Cassiopeiae ...	2.5	2 35	326
γ Andromedæ ...	2.3	4 27	296
γ Persei ...	3.1	5 9	320
α Persei ...	1.9	5 39	312
δ Persei ...	3.1	6 1	308
η Aurigæ ...	3.3	7 29	295
α Aurigæ ...	0.2	7 37	304
β Aurigæ ...	2.1	8 21	302
ι Ursæ Majoris	3.1	11 16	309
θ Ursæ Majoris	3.3	11 41	317
μ Ursæ Majoris	3.2	12 45	296
β Ursæ Majoris	2.4	12 52	328
ψ Ursæ Majoris	3.2	13 32	302
γ Ursæ Majoris	2.5	13 57	322
δ Ursæ Majoris	3.4	14 2	330
ε Ursæ Majoris	1.7	14 47	327
ζ ¹ Ursæ Majoris	2.4	15 23	325
η Ursæ Majoris	1.9	16 4	312
ι Draconis ...	3.5	17 3	334
β Boötis ...	3.6	17 27	294
η Herculis ...	3.6	19 8	291
β Draconis ...	3.0	19 42	318
γ Draconis ...	2.4	20 11	316
δ Cygni ...	3.0	22 9	302
α Cygni ...	1.3	23 6	302
ζ Cephei ...	3.6	23 57	331

NE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
β Persei ...	2.6	0 36	65	
γ Persei ...	3.1	0 55	38	
α Persei ...	1.9	1 3	46	
δ Persei ...	3.1	1 17	51	
η Aurigæ ...	3.3	2 35	64	
α Aurigæ ...	0.2	2 48	54	
β Aurigæ ...	2.1	3 30	56	
ι Ursæ Majoris	3.1	6 36	49	
θ Ursæ Majoris	3.3	7 18	41	
μ Ursæ Majoris	3.2	7 51	62	
ψ Ursæ Majoris	3.2	8 41	56	
β Ursæ Majoris	2.4	9 10	29	
γ Ursæ Majoris	2.5	9 49	36	
δ Ursæ Majoris	3.4	10 28	28	
ε Ursæ Majoris	1.7	11 1	30	
ζ Ursæ Majoris	2.4	11 26	33	
η Ursæ Majoris	1.9	11 28	46	
β Boötis ...	3.6	12 33	65	
η <i>Herculis</i> ...	3.6	14 14	67	
β Draconis ...	3.0	15 21	40	
γ Draconis ...	2.4	15 44	42	
δ Cygni ...	3.0	17 18	56	
γ <i>Cygni</i> ...	2.3	17 53	66	
α Cygni ...	1.3	18 15	56	
ζ Cephei ...	3.6	20 27	27	
β <i>Cassiopeiæ</i> ...	2.4	22 32	24	
α <i>Cassiopeiæ</i> ...	2.5	22 45	31	
γ <i>Andromedæ</i> ...	2.3	23 33	62	

SE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
ο Tauri ...	3.8	2 3	140	
γ Tauri ...	3.9	2 28	120	
α Tauri ...	1.1	2 40	117	
π ³ Orionis ...	3.3	3 42	147	
γ Orionis ...	1.7	4 22	149	
γ Geminorum ...	1.9	4 41	117	
α Orionis ...	1.2	4 44	145	
ξ Geminorum ...	3.4	5 3	126	
β Canis Minoris	3.1	6 8	141	
α Canis Minoris	0.5	6 44	154	
β Cancrī ...	3.8	6 52	137	
ε Hydræ ...	3.5	7 40	148	
ζ Hydræ ...	3.3	7 53	150	
ο Leonis ...	3.8	8 11	134	
α Leonis ...	1.3	8 28	128	
ρ Leonis ...	3.9	9 7	136	
θ Leonis ...	3.4	9 21	118	
β Leonis ...	2.2	9 59	120	
ε Virginis ...	3.0	11 27	130	
η <i>Boötis</i> ...	2.8	11 54	111	
α <i>Boötis</i> ...	0.2	12 11	109	
γ Serpentis ...	3.9	14 4	118	
α Serpentis ...	2.8	14 38	148	
ε <i>Serpentis</i> ...	3.8	15 4	158	
α <i>Herculis</i> ...	3.5	15 27	122	
κ Ophiuchi ...	3.4	15 32	137	
α Ophiuchi ...	2.1	15 54	127	
72 Ophiuchi ...	3.7	16 42	137	
ζ Aquilæ ...	3.0	17 21	124	
γ Aquilæ ...	2.8	18 15	134	
α Aquilæ ...	0.9	18 31	140	
α Delphini ...	3.9	18 48	119	
β Aquilæ ...	3.9	18 53	150	
ε Delphini ...	4.0	19 0	132	
ε Pegasi ...	2.5	20 19	137	
ζ Pegasi ...	3.6	21 11	134	
α Pegasi ...	2.6	21 15	121	
γ Pegasi ...	2.9	22 24	121	
ω Piscium ...	4.0	22 55	149	
η Piscium ...	3.7	23 41	121	

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 3	226
α Pegasi ...	2.6	0 47	239
ω Piscium...	4.0	0 55	211
γ Pegasi ...	2.9	1 54	239
η Piscium...	3.7	3 13	239
ο Tauri ...	3.8	4 37	220
π ³ Orionis ...	3.3	5 48	213
γ Tauri ...	3.9	6 2	240
γ Orionis ...	1.7	6 20	211
α Tauri ...	1.1	6 22	243
α Orionis ...	1.2	6 58	215
ξ Geminorum ...	3.4	8 19	234
γ Geminorum ...	1.9	8 25	243
α Canis Minoris	0.5	8 26	206
β Canis Minoris	3.1	8 38	219
β Cancrī ...	3.8	9 32	223
ε Hydræ ...	3.5	9 44	212
ζ Hydræ ...	3.3	9 49	210
ο Leonis ...	3.8	11 3	226
α Leonis ...	1.3	11 40	232
ρ Leonis ...	3.9	11 51	224
θ Leonis ...	3.4	12 59	242
β Leonis ...	2.2	13 31	240
ε Virginis...	3.0	14 29	230
η Boötis ...	2.8	15 48	249
α Boötis ...	0.2	16 13	251
ε Serpentis ...	3.8	16 30	202
α Serpentis ...	2.8	16 42	212
γ Serpentis ...	3.9	17 42	242
κ Ophiuchi ...	3.4	18 15	223
α Herculis ...	3.5	18 55	238
α Ophiuchi ...	2.1	19 8	233
72 Ophiuchi ...	3.7	19 24	223
ζ Aquilæ ...	3.0	20 43	236
β Aquilæ ...	3.9	20 49	210
α Aquilæ ...	0.9	21 3	220
γ Aquilæ ...	2.8	21 9	226
ε Delphini ...	4.0	21 58	228
α Delphini ...	3.9	22 24	241
ε Pegasi ...	2.5	23 1	223

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Cassiopeia ...	2.4	1 38	336
α Cassiopeia ...	2.5	2 27	329
γ Andromedæ ...	2.3	4 25	298
γ Persei ...	3.1	5 3	322
β Persei ...	2.6	5 30	295
α Persei ...	1.9	5 35	314
δ Persei ...	3.1	5 57	309
η Aurigæ ...	3.3	7 27	296
α Aurigæ ...	0.2	7 34	306
β Aurigæ ...	2.1	8 18	304
ι Ursæ Majoris	3.1	11 12	311
θ Ursæ Majoris	3.3	11 36	319
μ Ursæ Majoris	3.2	12 43	298
β Ursæ Majoris	2.4	12 44	331
ψ Ursæ Majoris	3.2	13 29	304
γ Ursæ Majoris	2.5	13 51	324
δ Ursæ Majoris	3.4	13 54	332
ε Ursæ Majoris	1.7	14 39	330
ζ ¹ Ursæ Majoris	2.4	15 16	327
η Ursæ Majoris	1.9	16 0	314
β Boötis ...	3.6	17 25	295
η Herculis ...	3.6	19 6	293
β Draconis ...	3.0	19 37	320
γ Draconis ...	2.4	20 6	318
δ Cygni ...	3.0	22 6	304
γ Cygni ...	2.3	22 45	294
α Cygni ...	1.3	23 3	304
ζ Cephei ...	3.6	23 49	333

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Persei ...	2.6	0 39	63
γ Persei ...	3.1	1 1	36
α Persei ...	1.9	1 8	45
δ Persei ...	3.1	1 21	49
ε Persei ...	3.0	1 28	65
η Aurigæ ...	3.3	2 37	62
α Aurigæ ...	0.2	2 52	53
β Aurigæ ...	2.1	3 34	54
ι Ursæ Majoris	3.1	6 40	47
θ Ursæ Majoris	3.3	7 24	39
μ Ursæ Majoris	3.2	7 54	61
ψ Ursæ Majoris	3.2	8 45	54
β Ursæ Majoris	2.4	9 19	27
γ Ursæ Majoris	2.5	9 56	34
δ Ursæ Majoris	3.4	10 38	25
ε Ursæ Majoris	1.7	11 9	28
ζ Ursæ Majoris	2.4	11 33	31
η Ursæ Majoris	1.9	11 33	44
β Boötis ...	3.6	12 35	63
η Herculis ...	3.6	14 16	66
β Draconis ...	3.0	15 27	38
γ Draconis ...	2.4	15 50	40
α Lyræ ...	0.1	16 9	67
δ Cygni ...	3.0	17 22	55
γ Cygni ...	2.3	17 55	64
α Cygni ...	1.3	18 19	54
ζ Cephei ...	3.6	20 37	24
μ Andromedæ ...	3.9	22 27	68
α Cassiopeiæ ...	2.5	22 53	29
γ Andromedæ ...	2.3	23 36	61

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ο Tauri ...	3.8	1 58	136
α Ceti ...	2.8	2 15	158
γ Tauri ...	3.9	2 25	117
α Tauri ...	1.1	2 38	115
π ³ Orionis ...	3.3	3 35	143
γ Orionis ...	1.7	4 14	145
α Orionis ...	1.2	4 37	141
γ Geminorum ...	1.9	4 39	114
ξ Geminorum ...	3.4	4 59	123
β Canis Minoris	3.1	6 2	137
α Canis Minoris	0.5	6 35	149
β Cancrī ...	3.8	6 47	134
ε Hydræ ...	3.5	7 33	144
ζ Hydræ ...	3.3	7 45	145
ο Leonis ...	3.8	8 7	131
α Leonis ...	1.3	8 25	125
ρ Leonis ...	3.9	9 2	133
θ Leonis ...	3.4	9 18	116
β Leonis ...	2.2	9 56	118
ε Virginis ...	3.0	11 23	128
δ Virginis ...	3.7	12 8	158
α Boötis ...	0.2	12 10	107
γ Serpentis ...	3.9	14 1	116
α Serpentis ...	2.8	14 31	144
ε Serpentis ...	3.8	14 54	153
α Herculis ...	3.5	15 24	119
κ Ophiuchi ...	3.4	15 28	134
α Ophiuchi ...	2.1	15 51	124
72 Ophiuchi ...	3.7	16 37	134
β Ophiuchi ...	2.9	16 47	153
ζ Aquilæ ...	3.0	17 18	121
γ Aquilæ ...	2.8	18 11	131
α Aquilæ ...	0.9	18 26	137
α Delphini ...	3.9	18 45	116
β Aquilæ ...	3.9	18 46	146
ε Delphini ...	4.0	18 56	129
ε Pegasi ...	2.5	20 14	134
ζ Pegasi ...	3.6	21 7	131
α Pegasi ...	2.6	21 13	118
γ Pegasi ...	2.9	22 21	119
ω Piscium ...	4.0	22 48	145
η Piscium ...	3.7	23 39	118

SW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h.	m.	°
ζ Pegasi ...	3.6	0	7	229
α Pegasi ...	2.6	0	49	242
ω Piscium ...	4.0	1	2	215
γ Pegasi ...	2.9	1	57	241
η Piscium ...	3.7	3	15	242
α Ceti ...	2.8	3	41	202
ο Tauri ...	3.8	4	42	224
π ³ Orionis ...	3.3	5	55	217
γ Tauri ...	3.9	6	5	243
α Tauri ...	1.1	6	24	245
γ Orionis ...	1.7	6	28	215
α Orionis ...	1.2	7	5	219
ξ Geminorum ...	3.4	8	23	237
γ Geminorum ...	1.9	8	27	246
α Canis Minoris	0.5	8	35	211
β Canis Minoris	3.1	8	44	223
β Cancri ...	3.8	9	37	226
ε Hydrae ...	3.5	9	51	216
ζ Hydrae ...	3.3	9	57	215
ο Leonis ...	3.8	11	7	229
α Leonis ...	1.3	11	43	235
ρ Leonis ...	3.9	11	56	227
θ Leonis ...	3.4	13	2	244
β Leonis ...	2.2	13	34	242
δ Virginis ...	3.7	13	34	202
ε Virginis ...	3.0	14	33	232
η Boötis ...	2.8	15	50	251
α Boötis ...	0.2	16	14	253
ε Serpentis ...	3.8	16	40	207
α Serpentis ...	2.8	16	49	216
γ Serpentis ...	3.9	17	45	244
κ Ophiuchi ...	3.4	18	20	226
β Ophiuchi ...	2.9	18	31	207
α Herculis ...	3.5	18	58	241
α Ophiuchi ...	2.1	19	11	236
72 Ophiuchi ...	3.7	19	29	226
ζ Aquilæ ...	3.0	20	46	239
β Aquilæ ...	3.9	20	56	214
α Aquilæ ...	0.9	21	8	223
γ Aquilæ ...	2.8	21	13	229
ε Delphini ...	4.0	22	2	231
α Delphini ...	3.9	22	27	244
ε Pegasi ...	2.5	23	6	226

NW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h.	m.	°
α Cassiopeiæ ...	2.5	2	19	331
μ Andromedæ ...	3.9	3	17	292
γ Andromedæ ...	2.3	4	22	299
γ Persei ...	3.1	4	57	324
β Persei ...	2.6	5	27	297
α Persei ...	1.9	5	30	315
δ Persei ...	3.1	5	53	311
ε Persei ...	3.0	6	16	295
η Aurigæ ...	3.3	7	25	298
α Aurigæ ...	0.2	7	30	307
β Aurigæ ...	2.1	8	14	306
ι Ursæ Majoris	3.1	11	8	313
θ Ursæ Majoris	3.3	11	30	321
β Ursæ Majoris	2.4	12	35	333
μ Ursæ Majoris	3.2	12	40	299
ψ Ursæ Majoris	3.2	13	25	306
γ Ursæ Majoris	2.5	13	44	326
δ Ursæ Majoris	3.4	13	44	335
ε Ursæ Majoris	1.7	14	31	332
ζ ¹ Ursæ Majoris	2.4	15	9	329
η Ursæ Majoris	1.9	15	55	316
β Boötis ...	3.6	17	23	297
η Herculis ...	3.6	19	5	294
β Draconis ...	3.0	19	31	322
γ Draconis ...	2.4	20	0	320
α Lyræ ...	0.1	20	59	293
δ Cygni ...	3.0	22	2	305
γ Cygni ...	2.3	22	43	296
α Cygni ...	1.3	22	59	306
ζ Cephei ...	3.6	23	39	336

NE. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
β Persei	2·6	0 41	62	
γ Persei	3·1	1 7	34	
α Persei	1·9	1 13	43	
δ Persei	3·1	1 25	47	
ε Persei	3·0	1 30	63	
η Aurigæ	3·3	2 39	61	
α Aurigæ	0·2	2 56	51	
β Aurigæ	2·1	3 37	53	
ι Ursæ Majoris	3·1	6 44	45	
θ Ursæ Majoris	3·3	7 30	37	
μ Ursæ Majoris	3·2	7 56	59	
ψ Ursæ Majoris	3·2	8 48	53	
β Ursæ Majoris	2·4	9 29	24	
γ Ursæ Majoris	2·5	10 3	32	
12 Canum Venat.	2·9	10 29	65	
ε Ursæ Majoris	1·7	11 18	26	
η Ursæ Majoris	1·9	11 38	42	
ζ ¹ Ursæ Majoris	2·4	11 41	29	
γ Boötis	3·0	12 6	65	
β Boötis	3·6	12 38	61	
η Herculis	3·6	14 18	65	
β Draconis	3·0	15 33	36	
γ Draconis	2·4	15 56	38	
α Lyræ	0·1	16 11	65	
δ Cygni	3·0	17 25	53	
γ Cygni	2·3	17 57	63	
α Cygni	1·3	18 22	53	
ζ Cephei	3·6	20 49	21	
μ Andromedæ ...	3·9	22 29	67	
α Cassiopeiæ ...	2·5	23 2	26	
γ Andromedæ ...	2·3	23 38	59	

SE. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
ο Tauri	3·8	1 53	132	
γ Ceti	3·7	1 55	157	
α Ceti	2·8	2 5	153	
γ Tauri	3·9	2 23	115	
π ³ Orionis	3·3	3 29	140	
γ Orionis	1·7	4 8	142	
α Orionis	1·2	4 32	138	
ξ Geminorum ...	3·4	4 56	121	
β Canis Minoris	3·1	5 58	134	
α Canis Minoris	0·5	6 28	145	
β Cancri	3·8	6 42	131	
ε Hydrae	3·5	7 27	141	
ζ Hydrae	3·3	7 39	142	
ο Leonis	3·8	8 3	128	
α Leonis	1·3	8 22	123	
ρ Leonis	3·9	8 58	130	
θ Leonis	3·4	9 16	114	
β Leonis	2·2	9 54	116	
ε Virginis	3·0	11 20	125	
δ Virginis	3·7	11 57	152	
α Boötis	0·2	12 9	105	
γ Serpentis	3·9	13 59	114	
α Serpentis	2·8	14 25	141	
ε Serpentis	3·8	14 46	148	
α Herculis	3·5	15 21	117	
κ Ophiuchi	3·4	15 24	131	
α Ophiuchi	2·1	15 48	122	
72 Ophiuchi	3·7	16 33	131	
β Ophiuchi	2·9	16 39	149	
ζ Aquilæ	3·0	17 15	119	
γ Aquilæ	2·8	18 8	128	
α Aquilæ	0·9	18 21	134	
δ Aquilæ	3·4	18 36	157	
β Aquilæ	3·9	18 39	142	
α Delphini	3·9	18 43	114	
ε Delphini	4·0	18 52	127	
ε Pegasi	2·5	20 10	131	
ζ Pegasi	3·6	21 2	128	
α Pegasi	2·6	21 10	116	
γ Pegasi	2·9	22 18	117	
γ Piscium	3·9	22 30	158	
ω Piscium	4·0	22 42	141	
η Piscium	3·7	23 36	116	

SW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h.	m.	°
ζ Pegasi ...	3.6	0	12	232
α Pegasi ...	2.6	0	52	244
ω Piscium ...	4.0	1	8	219
γ Pegasi ...	2.9	2	0	243
η Piscium ...	3.7	3	18	244
γ Ceti ...	3.7	3	23	203
α Ceti ...	2.8	3	51	207
ο Tauri ...	3.8	4	47	227
π ³ Orionis ...	3.3	6	1	220
γ Tauri ...	3.9	6	7	245
γ Orionis ...	1.7	6	34	218
α Orionis ...	1.2	7	10	222
ξ Geminorum ...	3.4	8	26	239
α Canis Minoris	0.5	8	42	215
β Canis Minoris	3.1	8	48	226
β Cancri ...	3.8	9	42	229
ε Hydræ ...	3.5	9	57	219
ζ Hydræ ...	3.3	10	3	218
ο Leonis ...	3.8	11	11	232
α Leonis ...	1.3	11	46	237
ρ Leonis ...	3.9	12	0	230
θ Leonis ...	3.4	13	4	246
β Leonis ...	2.2	13	36	244
δ Virginis ...	3.7	13	45	208
ε Virginis ...	3.0	14	36	235
η Boötis ...	2.8	15	52	253
α Boötis ...	0.2	16	15	255
ε Serpentis ...	3.8	16	48	212
α Serpentis ...	2.8	16	55	219
γ Serpentis ...	3.9	17	47	246
κ Ophiuchi ...	3.4	18	24	229
β Ophiuchi ...	2.9	18	39	211
α Herculis ...	3.5	19	1	243
α Ophiuchi ...	2.1	19	14	238
72 Ophiuchi ...	3.7	19	33	229
δ Aquilæ ...	3.4	20	6	203
ζ Aquilæ ...	3.0	20	49	241
β Aquilæ ...	3.9	21	3	218
α Aquilæ ...	0.9	21	13	226
γ Aquilæ ...	2.8	21	16	232
ε Delphini ...	4.0	22	6	233
α Delphini ...	3.9	22	29	246
ε Pegasi ...	2.5	23	10	229
γ Piscium ...	3.9	23	56	202

NW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h.	m.	°
α Cassiopeia ...	2.5	2	10	334
μ Andromedæ ...	3.9	3	15	293
γ Andromedæ ...	2.3	4	20	301
γ Persei ...	3.1	4	51	326
β Persei ...	2.6	5	25	298
α Persei ...	1.9	5	25	317
δ Persei ...	3.1	5	49	313
ε Persei ...	3.0	6	14	297
η Aurigæ ...	3.3	7	23	299
α Aurigæ ...	0.2	7	26	309
β Aurigæ ...	2.1	8	11	307
ι Ursæ Majoris	3.1	11	4	315
θ Ursæ Majoris	3.3	11	24	323
β Ursæ Majoris	2.4	12	25	336
μ Ursæ Majoris	3.2	12	38	301
ψ Ursæ Majoris	3.2	13	22	307
γ Ursæ Majoris	2.5	13	37	328
ε Ursæ Majoris	1.7	14	22	334
ζ ¹ Ursæ Majoris	2.4	15	1	331
12 Canum Venat.	2.9	15	15	295
η Ursæ Majoris	1.9	15	50	318
γ Boötis ...	3.0	16	52	295
β Boötis ...	3.6	17	20	299
η Herculis ...	3.6	19	2	295
β Draconis ...	3.0	19	25	324
γ Draconis ...	2.4	19	54	322
α Lyræ ...	0.1	20	57	295
δ Cygni ...	3.0	21	59	307
γ Cygni ...	2.3	22	41	297
α Cygni ...	1.3	22	56	307
ζ Cephei ...	3.6	23	27	339

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Persei	2.6	0 44	60
γ Persei	3.1	1 14	32
α Persei	1.9	1 18	41
δ Persei	3.1	1 30	46
ε Persei	3.0	1 32	62
η Aurigæ	3.3	2 42	59
α Aurigæ	0.2	3 0	49
β Aurigæ	2.1	3 41	51
α Geminorum ...	2.0	5 8	77
ι Ursæ Majoris	3.1	6 49	43
θ Ursæ Majoris	3.3	7 36	35
μ Ursæ Majoris	3.2	7 59	57
ψ Ursæ Majoris	3.2	8 52	51
γ Ursæ Majoris	2.5	10 11	29
ι ² Canum Venat.	2.9	10 32	64
η Ursæ Majoris	1.9	11 44	40
ζ ¹ Ursæ Majoris	2.4	11 51	26
γ Boötis	3.0	12 9	64
β Boötis	3.6	12 40	60
η Herculis	3.6	14 20	63
β Draconis	3.0	15 40	34
γ Draconis	2.4	16 2	36
α Lyræ	0.1	16 14	64
δ Cygni	3.0	17 29	51
γ Cygni	2.3	18 0	61
α Cygni	1.3	18 26	51
ζ Cephei	3.6	21 1	18
μ Andromedæ ...	3.9	22 31	65
γ Andromedæ ...	2.3	23 41	57

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Ceti	3.7	1 45	152
ο Tauri	3.8	1 50	130
α Ceti	2.8	1 56	148
π ³ Orionis	3.3	3 23	136
γ Orionis	1.7	4 2	138
α Orionis	1.2	4 26	135
ξ Geminorum ...	3.4	4 54	119
β Canis Minoris	3.1	5 54	131
α Canis Minoris	0.5	6 21	141
β Cancrī	3.8	6 38	128
ε Hydræ	3.5	7 21	137
ζ Hydræ	3.3	7 33	138
ο Leonis	3.8	7 59	126
α Leonis	1.3	8 19	120
ρ Leonis	3.9	8 54	128
β Leonis	2.2	9 51	114
β Virginis	3.8	10 58	156
ε Virginis	3.0	11 16	123
δ Virginis	3.7	11 49	148
α Boötis	0.2	12 7	103
γ Serpentis	3.9	13 57	111
α Serpentis	2.8	14 19	137
ε Serpentis	3.8	14 39	144
α Herculis	3.5	15 19	115
κ Ophiuchi	3.4	15 20	128
λ Ophiuchi	3.9	15 39	155
α Ophiuchi	2.1	15 45	120
γ ² Ophiuchi	3.7	16 29	128
β Ophiuchi	2.9	16 32	145
ζ Aquilæ	3.0	17 13	117
γ Aquilæ	2.8	18 4	126
α Aquilæ	0.9	18 17	131
δ Aquilæ	3.4	18 26	152
β Aquilæ	3.9	18 33	138
ε Delphini	4.0	18 49	124
ε Pegasi	2.5	20 6	128
ζ Pegasi	3.6	20 59	126
α Pegasi	2.6	21 8	114
γ Pegasi	2.9	22 16	114
γ Piscium	3.9	22 20	153
ω Piscium	4.0	22 36	138
η Piscium	3.7	23 34	114

SW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h.	m.	o
γ Piscium... ..	3·9	0	6	207
ζ Pegasi	3·6	0	15	234
α Pegasi	2·6	0	54	246
ω Piscium... ..	4·0	1	14	222
γ Pegasi	2·9	2	2	246
η Piscium... ..	3·7	3	20	246
γ Ceti	3·7	3	33	208
α Ceti	2·8	4	0	212
ο Tauri	3·8	4	50	229
π ³ Orionis	3·3	6	7	224
γ Orionis	1·7	6	40	222
α Orionis	1·2	7	16	225
ξ Geminorum ...	3·4	8	28	241
α Canis Minoris	0·5	8	49	219
β Canis Minoris	3·1	8	52	229
β Cancrī	3·8	9	46	232
ε Hydræ	3·5	10	3	223
ζ Hydræ	3·3	10	9	222
ο Leonis	3·8	11	15	234
α Leonis	1·3	11	49	240
ρ Leonis	3·9	12	4	232
β Virginis	3·8	12	34	204
β Leonis	2·2	13	39	246
δ Virginis... ..	3·7	13	53	212
ε Virginis... ..	3·0	14	40	237
η Boötis	2·8	15	54	255
α Boötis	0·2	16	17	257
ε Serpentis ...	3·8	16	55	216
α Serpentis ...	2·8	17	1	223
λ Ophiuchi ...	3·9	17	15	205
γ Serpentis ...	3·9	17	49	249
κ Ophiuchi ...	3·4	18	28	232
β Ophiuchi ...	2·9	18	47	215
α Herculis ...	3·5	19	3	245
α Ophiuchi ...	2·1	19	17	240
γ ² Ophiuchi ...	3·7	19	37	232
δ Aquilæ	3·4	20	16	208
ζ Aquilæ	3·0	20	51	243
β Aquilæ	3·9	21	9	222
α Aquilæ	0·9	21	17	229
γ Aquilæ	2·8	21	20	234
ε Delphini ...	4·0	22	9	236
ε Pegasi	2·5	23	14	232

NW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h.	m.	o
μ Andromedæ ...	3·9	3	13	295
γ Andromedæ ...	2·3	4	17	303
γ Persei	3·1	4	44	328
α Persei	1·9	5	20	319
β Persei	2·6	5	22	300
δ Persei	3·1	5	44	314
ε Persei	3·0	6	12	298
η Aurigæ	3·3	7	20	301
α Aurigæ	0·2	7	22	311
β Aurigæ	2·1	8	7	309
α Geminorum ...	2·0	9	50	283
ι Ursæ Majoris	3·1	10	59	317
θ Ursæ Majoris	3·3	11	18	325
μ Ursæ Majoris	3·2	12	35	303
ψ Ursæ Majoris	3·2	13	18	309
γ Ursæ Majoris	2·5	13	29	331
ζ ¹ Ursæ Majoris	2·4	14	51	334
ι ² Canum Venat.	2·9	15	12	296
η Ursæ Majoris	1·9	15	44	320
γ Boötis	3·0	16	49	297
β Boötis	3·6	17	18	300
η Herculis ...	3·6	19	0	297
β Draconis ...	3·0	19	18	326
γ Draconis ...	2·4	19	48	324
α Lyræ	0·1	20	54	296
δ Cygni	3·0	21	55	309
γ Cygni	2·3	22	38	299
α Cygni	1·3	22	52	309
ζ Cephei	3·6	23	15	342

NE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
β Persei	2·6	0 47	58	
γ Persei	3·1	1 22	29	
α Persei	1·9	1 23	39	
δ Persei	3·1	1 35	44	
ε Persei	3·0	1 35	60	
η Aurigæ	3·3	2 45	57	
α Aurigæ	0·2	3 4	47	
θ Aurigæ	2·7	3 35	65	
β Aurigæ	2·1	3 45	49	
α Geminorum ...	2·0	5 10	75	
ι Ursæ Majoris	3·1	6 54	41	
θ Ursæ Majoris	3·3	7 43	33	
μ Ursæ Majoris	3·2	8 2	56	
ψ Ursæ Majoris	3·2	8 56	49	
γ Ursæ Majoris	2·5	10 20	27	
12 Canum Venat.	2·9	10 34	62	
η Ursæ Majoris	1·9	11 49	38	
γ Boötis	3·0	12 11	62	
β Boötis	3·6	12 43	58	
η Herculis	3·6	14 23	61	
π Herculis	3·4	14 53	65	
β Draconis	3·0	15 48	31	
γ Draconis	2·4	16 8	34	
α Lyræ	0·1	16 16	62	
δ Cygni	3·0	17 33	49	
γ Cygni	2·3	18 2	59	
α Cygni	1·3	18 30	49	
μ Andromedæ ...	3·9	22 34	63	
γ Andromedæ ...	2·3	23 44	56	

SE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
γ Ceti	3·7	1 38	148	
ο Tauri	3·8	1 46	128	
α Ceti	2·8	1 49	144	
π ³ Orionis	3·3	3 19	133	
γ Orionis	1·7	3 58	135	
α Orionis	1·2	4 22	132	
ξ Geminorum ...	3·4	4 51	116	
β Canis Minoris	3·1	5 50	128	
α Canis Minoris	0·5	6 16	138	
β Cancri	3·8	6 35	126	
ε Hydræ	3·5	7 17	134	
ζ Hydræ	3·3	7 28	135	
ο Leonis	3·8	7 57	124	
α Leonis	1·3	8 16	118	
ρ Leonis	3·9	8 51	125	
β Virginis	3·8	10 49	150	
ε Virginis	3·0	11 13	120	
δ Virginis	3·7	11 43	144	
γ Serpentis ...	3·9	13 55	109	
α Serpentis ...	2·8	14 15	134	
ε Serpentis ...	3·8	14 33	141	
κ Ophiuchi ...	3·4	15 16	125	
λ Ophiuchi ...	3·9	15 31	151	
α Ophiuchi ...	2·1	15 42	117	
β Ophiuchi ...	2·9	16 26	141	
72 Ophiuchi ...	3·7	16 26	126	
ζ Aquilæ	3·0	17 10	115	
γ Aquilæ	2·8	18 1	123	
α Aquilæ	0·9	18 13	128	
δ Aquilæ	3·4	18 18	147	
β Aquilæ	3·9	18 28	135	
ε Delphini ...	4·0	18 46	122	
ε Pegasi	2·5	20 2	125	
ζ Pegasi	3·6	20 56	123	
α Pegasi	2·6	21 6	112	
γ Piscium	3·9	22 11	148	
ω Piscium	4·0	22 31	135	
η Piscium	3·7	23 32	112	

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Piscium... ..	3·9	0 15	212
ζ Pegasi	3·6	0 18	237
α Pegasi	2·6	0 56	248
ω Piscium... ..	4·0	1 19	225
γ Pegasi	2·9	2 4	248
η Piscium... ..	3·7	3 22	248
γ Ceti	3·7	3 40	212
α Ceti	2·8	4 7	216
ο Tauri	3·8	4 54	232
π ³ Orionis	3·3	6 11	227
γ Orionis	1·7	6 44	225
α Orionis	1·2	7 20	229
ξ Geminorum ...	3·4	8 31	244
α Canis Minoris	0·5	8 54	222
β Canis Minoris	3·1	8 56	232
β Cancri	3·8	9 49	234
ε Hydræ	3·5	10 8	226
ζ Hydræ	3·3	10 14	225
ο Leonis	3·8	11 17	236
α Leonis	1·3	11 52	242
ρ Leonis	3·9	12 7	235
β Virginis	3·8	12 43	210
δ Virginis	3·7	13 59	216
ε Virginis	3·0	14 43	240
η Boötis	2·8	15 55	257
ε Serpentis	3·8	17 1	219
α Serpentis	2·8	17 6	226
λ Ophiuchi	3·9	17 23	209
γ Serpentis	3·9	17 51	251
κ Ophiuchi	3·4	18 32	235
β Ophiuchi	2·9	18 53	219
α Ophiuchi	2·1	19 20	243
72 Ophiuchi	3·7	19 40	234
δ Aquilæ	3·4	20 24	213
ζ Aquilæ	3·0	20 54	245
β Aquilæ	3·9	21 14	225
α Aquilæ	0·9	21 21	232
γ Aquilæ	2·8	21 23	237
ε Delphini	4·0	22 12	238
ε Pegasi	2·5	23 18	235

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
μ Andromedæ ...	3·9	3 10	297
γ Andromedæ ...	2·3	4 14	304
γ Persei	3·1	4 36	331
α Persei	1·9	5 15	321
β Persei	2·6	5 19	302
δ Persei	3·1	5 39	316
ε Persei	3·0	6 9	300
η Aurigæ	3·3	7 17	303
α Aurigæ	0·2	7 18	313
β Aurigæ	2·1	8 3	311
θ Aurigæ	2·7	8 13	295
α Geminorum ...	2·0	9 48	285
ι Ursæ Majoris	3·1	10 54	319
θ Ursæ Majoris	3·3	11 11	327
μ Ursæ Majoris	3·2	12 32	304
ψ Ursæ Majoris	3·2	13 14	311
γ Ursæ Majoris	2·5	13 20	333
12 Canum Venat.	2·9	15 10	298
η Ursæ Majoris	1·9	15 39	322
γ Boötis	3·0	16 47	298
β Boötis	3·6	17 15	302
η Herculis	3·6	18 57	299
β Draconis	3·0	19 10	329
π Herculis	3·4	19 31	295
γ Draconis	2·4	19 42	326
α Lyræ	0·1	20 52	298
δ Cygni	3·0	21 51	311
γ Cygni	2·3	22 36	301
α Cygni	1·3	22 48	311

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Persei ...	2.6	0 50	57
α Persei ...	1.9	1 29	37
γ Persei ...	3.1	1 30	27
ε Persei ...	3.0	1 38	58
δ Persei ...	3.1	1 40	42
η Aurigæ ...	3.3	2 48	56
α Aurigæ ...	0.2	3 8	45
θ Aurigæ ...	2.7	3 37	64
β Aurigæ ...	2.1	3 49	47
α Geminorum ...	2.0	5 11	74
ι Ursæ Majoris	3.1	7 0	39
θ Ursæ Majoris	3.3	7 50	30
μ Ursæ Majoris	3.2	8 5	54
ψ Ursæ Majoris	3.2	9 0	47
γ Ursæ Majoris	2.5	10 30	24
ι 2 Canum Venat.	2.9	10 36	60
η Ursæ Majoris	1.9	11 55	36
γ Boötis ...	3.0	12 13	61
β Boötis ...	3.6	12 46	56
η Herculis ...	3.6	14 25	60
π Herculis ...	3.4	14 55	64
β Draconis ...	3.0	15 55	29
γ Draconis ...	2.4	16 15	32
α Lyræ ...	0.1	16 18	60
δ Cygni ...	3.0	17 37	47
γ Cygni ...	2.3	18 5	58
α Cygni ...	1.3	18 34	47
μ Andromedæ ...	3.9	22 36	62
γ Andromedæ ...	2.3	23 47	54

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Ceti ...	3.7	1 31	144
ο Tauri ...	3.8	1 42	125
α Ceti ...	2.8	1 43	140
δ Ceti ...	4.0	1 50	157
π ³ Orionis ...	3.3	3 15	131
γ Orionis ...	1.7	3 53	132
α Orionis ...	1.2	4 19	129
ξ Geminorum ...	3.4	4 49	114
β Canis Minoris	3.1	5 46	126
α Canis Minoris	0.5	6 12	135
β Cancri ...	3.8	6 32	124
ε Hydræ ...	3.5	7 13	131
ζ Hydræ ...	3.3	7 23	133
ο Leonis ...	3.8	7 54	121
α Leonis ...	1.3	8 14	116
ρ Leonis ...	3.9	8 48	123
β Virginis...	3.8	10 41	146
ε Virginis...	3.0	11 11	118
η Virginis...	4.0	11 33	158
δ Virginis...	3.7	11 37	141
γ Serpentis ...	3.9	13 54	108
α Serpentis ...	2.8	14 11	131
ε Serpentis ...	3.8	14 28	137
κ Ophiuchi ...	3.4	15 13	123
λ Ophiuchi ...	3.9	15 23	146
α Ophiuchi ...	2.1	15 40	115
β Ophiuchi ...	2.9	16 21	138
72 Ophiuchi ...	3.7	16 23	123
γ Aquilæ ...	2.8	17 58	121
α Aquilæ ...	0.9	18 10	126
δ Aquilæ ...	3.4	18 11	143
β Aquilæ ...	3.9	18 24	132
ε Delphini ...	4.0	18 43	119
ε Pegasi ...	2.5	19 59	123
ζ Pegasi ...	3.6	20 53	121
γ Piscium...	3.9	22 4	144
ω Piscium...	4.0	22 27	132
η Piscium...	3.7	23 30	110

SW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
ζ Pegasi ...	3.6	0 21	239	
γ Piscium...	3.9	0 22	216	
ω Piscium...	4.0	1 23	228	
γ Pegasi ...	2.9	2 5	250	
δ Ceti ...	4.0	3 20	203	
γ Ceti ...	3.7	3 47	216	
α Ceti ...	2.8	4 13	220	
ο Tauri ...	3.8	4 58	235	
π ³ Orionis...	3.3	6 15	229	
γ Orionis ...	1.7	6 49	228	
α Orionis ...	1.2	7 23	231	
ξ Geminorum	3.4	8 33	246	
α Canis Minoris	0.5	8 58	225	
β Canis Minoris	3.1	9 0	234	
β Cancri ...	3.8	9 52	236	
ε Hydræ ...	3.5	10 11	229	
ζ Hydræ ...	3.3	10 18	227	
ο Leonis ...	3.8	11 20	239	
α Leonis ...	1.3	11 54	244	
ρ Leonis ...	3.9	12 10	237	
β Virginis...	3.8	12 51	214	
η Virginis	4.0	12 59	202	
δ Virginis...	3.7	14 5	219	
ε Virginis...	3.0	14 45	242	
ε Serpentis	3.8	17 6	223	
α Serpentis	2.8	17 9	229	
λ Ophiuchi	3.9	17 31	214	
κ Ophiuchi	3.4	18 35	237	
β Ophiuchi	2.9	18 57	222	
α Ophiuchi	2.1	19 22	245	
72 Ophiuchi	3.7	19 43	237	
δ Aquilæ ...	3.4	20 31	217	
β Aquilæ ...	3.9	21 18	228	
α Aquilæ ...	0.9	21 24	234	
γ Aquilæ ...	2.8	21 26	239	
ε Delphini	4.0	22 15	241	
ε Pegasi ...	2.5	23 21	237	

NW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
μ Andromedæ ...	3.9	3 8	298	
γ Andromedæ ...	2.3	4 11	306	
γ Persei ...	3.1	4 28	333	
α Persei ...	1.9	5 9	323	
β Persei ...	2.6	5 16	303	
δ Persei ...	3.1	5 34	318	
ε Persei ...	3.0	6 6	302	
α Aurigæ ...	0.2	7 14	315	
η Aurigæ ...	3.3	7 14	304	
β Aurigæ ...	2.1	7 59	313	
θ Aurigæ ...	2.7	8 11	296	
α Geminorum	2.0	9 47	286	
ι Ursæ Majoris	3.1	10 48	321	
θ Ursæ Majoris	3.3	11 4	330	
μ Ursæ Majoris	3.2	12 29	306	
ψ Ursæ Majoris	3.2	13 10	313	
γ Ursæ Majoris	2.5	13 10	336	
12 Canum Venat.	2.9	15 8	300	
η Ursæ Majoris	1.9	15 33	324	
γ Boötis ...	3.0	16 45	299	
β Boötis ...	3.6	17 12	304	
η Herculis ...	3.6	18 55	300	
β Draconis ...	3.0	19 3	331	
π Herculis ...	3.4	19 29	296	
γ Draconis ...	2.4	19 35	328	
α Lyræ ...	0.1	20 50	300	
δ Cygni ...	3.0	21 47	313	
γ Cygni ...	2.3	22 33	302	
α Cygni ...	1.3	22 44	313	

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Persei	2·6	0 53	55
α Persei	1·9	1 36	34
γ Persei	3·1	1 40	24
ε Persei	3·0	1 41	57
δ Persei	3·1	1 44	40
η Aurigæ	3·3	2 52	54
α Aurigæ	0·2	3 13	43
θ Aurigæ	2·7	3 40	62
β Aurigæ	2·1	3 53	45
α Geminorum ...	2·0	5 12	72
ι Ursæ Majoris	3·1	7 6	37
θ Ursæ Majoris	3·3	7 58	28
μ Ursæ Majoris	3·2	8 9	52
ψ Ursæ Majoris	3·2	9 4	45
ιζ Canum Venat.	2·9	10 39	59
η Ursæ Majoris	1·9	12 2	34
γ Boötis	3·0	12 16	59
β Boötis	3·6	12 49	55
η Herculis	3·6	14 28	58
π Herculis	3·4	14 57	63
β Draconis	3·0	16 4	26
α Lyræ	0·1	16 21	59
γ Draconis	2·4	16 23	29
δ Cygni	3·0	17 41	46
γ Cygni	2·3	18 8	56
α Cygni	1·3	18 38	45
η Pegasi	3·1	20 23	77
μ Andromedæ ...	3·9	22 39	60
β Andromedæ ...	2·4	22 49	66
γ Andromedæ ...	2·3	23 51	52

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Ceti	3·7	1 25	140
α Ceti	2·8	1 38	137
ο Tauri	3·8	1 39	123
δ Ceti	4·0	1 41	152
π ³ Orionis	3·3	3 12	128
γ Orionis	1·7	3 49	129
α Orionis	1·2	4 15	126
δ Orionis	2·5	4 37	154
β Canis Minoris	3·1	5 43	123
α Canis Minoris	0·5	6 7	132
β Cancrī	3·8	6 29	121
ε Hydræ	3·5	7 9	128
ζ Hydræ	3·3	7 19	130
ο Leonis	3·8	7 51	119
α Leonis	1·3	8 12	114
ρ Leonis	3·9	8 45	120
β Virginis... ..	3·8	10 35	143
ε Virginis... ..	3·0	11 9	116
η Virginis... ..	4·0	11 24	153
δ Virginis... ..	3·7	11 31	137
ζ Virginis... ..	3·4	12 38	153
γ Serpentis ...	3·9	13 52	106
α Serpentis ...	2·8	14 7	128
ε Serpentis ...	3·8	14 23	134
κ Ophiuchi ...	3·4	15 11	121
λ Ophiuchi ...	3·9	15 17	143
β Ophiuchi ...	2·9	16 16	135
72 Ophiuchi ...	3·7	16 20	121
γ Aquilæ	2·8	17 56	119
δ Aquilæ	3·4	18 5	140
α Aquilæ	0·9	18 7	123
β Aquilæ	3·9	18 20	130
ε Delphini ...	4·0	18 41	117
ε Pegasi	2·5	19 57	121
ζ Pegasi	3·6	20 50	118
α Aquarii... ..	3·2	21 14	156
γ Piscium... ..	3·9	21 59	141
ω Piscium... ..	4·0	22 23	129
η Piscium... ..	3·7	23 29	108

SW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
ζ Pegasi ...	3.6	0 24	242	
γ Piscium...	3.9	0 27	219	
ω Piscium...	4.0	1 27	231	
γ Pegasi ...	2.9	2 7	252	
δ Ceti ...	4.0	3 29	208	
γ Ceti ...	3.7	3 53	220	
α Ceti ...	2.8	4 18	223	
ο Tauri ...	3.8	5 1	237	
π ³ Orionis ...	3.3	6 18	232	
δ Orionis ...	2.5	6 19	206	
γ Orionis ...	1.7	6 53	231	
α Orionis ...	1.2	7 27	234	
β Canis Minoris	3.1	9 3	237	
α Canis Minoris	0.5	9 3	228	
β Cancrī ...	3.8	9 55	239	
ε Hydræ ...	3.5	10 15	232	
ζ Hydræ ...	3.3	10 23	230	
ο Leonis ...	3.8	11 23	241	
α Leonis ...	1.3	11 56	246	
ρ Leonis ...	3.9	12 13	240	
β Virginis...	3.8	12 57	217	
η Virginis...	4.0	13 8	207	
δ Virginis...	3.7	14 11	223	
ζ Virginis...	3.4	14 24	207	
ε Virginis...	3.0	14 47	244	
ε Serpentis	3.8	17 11	226	
α Serpentis	2.8	17 13	232	
λ Ophiuchi	3.9	17 37	217	
κ Ophiuchi	3.4	18 37	239	
β Ophiuchi	2.9	19 2	225	
72 Ophiuchi	3.7	19 46	239	
δ Aquilæ ...	3.4	20 37	220	
β Aquilæ ...	3.9	21 22	230	
γ Aquilæ ...	2.8	21 28	241	
α Aquilæ ...	0.9	21 28	237	
ε Delphini...	4.0	22 17	243	
α Aquarii...	3.2	22 50	204	
ε Pegasi ...	2.5	23 23	239	

NW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
η Pegasi ...	3.1	0 55	283	
μ Andromedæ ...	3.9	3 5	300	
β Andromedæ ...	2.4	3 21	294	
γ Andromedæ ...	2.3	4 7	308	
γ Persei ...	3.1	4 18	336	
α Persei ...	1.9	5 2	326	
β Persei ...	2.6	5 13	305	
δ Persei ...	3.1	5 30	320	
ε Persei ...	3.0	6 3	303	
α Aurigæ ...	0.2	7 9	317	
η Aurigæ ...	3.3	7 10	306	
β Aurigæ ...	2.1	7 55	315	
θ Aurigæ ...	2.7	8 8	298	
α Geminorum ...	2.0	9 46	288	
ι Ursæ Majoris	3.1	10 42	323	
θ Ursæ Majoris	3.3	10 56	332	
μ Ursæ Majoris	3.2	12 25	308	
ψ Ursæ Majoris	3.2	13 6	315	
12 Canum Venat.	2.9	15 5	301	
η Ursæ Majoris	1.9	15 26	326	
γ Boötis ...	3.0	16 42	301	
β Boötis ...	3.6	17 9	305	
η Herculis ...	3.6	18 52	302	
β Draconis ...	3.0	18 54	334	
π Herculis ...	3.4	19 27	297	
γ Draconis ...	2.4	19 27	331	
α Lyræ ...	0.1	20 47	301	
δ Cygni ...	3.0	21 43	314	
γ Cygni ...	2.3	22 30	304	
α Cygni ...	1.3	22 40	315	

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Persei	2.6	0 56	53
α Persei	1.9	1 42	32
ε Persei	3.0	1 44	55
δ Persei	3.1	1 50	37
η Aurigæ	3.3	2 55	52
α Aurigæ	0.2	3 18	41
θ Aurigæ	2.7	3 42	60
β Aurigæ	2.1	3 58	43
α Geminorum ...	2.0	5 14	70
40 Lyncis	3.3	7 2	65
ι Ursæ Majoris	3.1	7 12	35
θ Ursæ Majoris	3.3	8 7	25
μ Ursæ Majoris	3.2	8 13	50
ψ Ursæ Majoris	3.2	9 9	43
12 Canum Venat.	2.9	10 42	57
η Ursæ Majoris	1.9	12 8	32
γ Boötis	3.0	12 19	57
β Boötis	3.6	12 52	53
η Herculis	3.6	14 31	56
π Herculis	3.4	15 0	61
α Lyræ	0.1	16 24	57
γ Draconis	2.4	16 32	26
δ Cygni	3.0	17 45	44
γ Cygni	2.3	18 11	54
α Cygni	1.3	18 43	43
η Pegasi	3.1	20 24	75
α Andromedæ ...	2.2	21 49	77
μ Andromedæ ...	3.9	22 41	58
β Andromedæ ...	2.4	22 51	64
β Trianguli	3.1	23 52	65
γ Andromedæ ...	2.3	23 55	50

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Ceti	3.7	1 19	137
α Ceti	2.8	1 34	134
δ Ceti	4.0	1 34	148
ο Tauri	3.8	1 37	120
π ³ Orionis	3.3	3 8	125
γ Orionis	1.7	3 45	127
α Orionis	1.2	4 12	124
δ Orionis	2.5	4 28	149
ε Orionis	1.7	4 40	153
β Canis Minoris	3.1	5 40	121
α Canis Minoris	0.5	6 3	129
β Cancri	3.8	6 26	119
ε Hydræ	3.5	7 5	126
ζ Hydræ	3.3	7 16	127
ο Leonis	3.8	7 48	116
α Leonis	1.3	8 10	118
ρ Leonis	3.9	8 42	118
β Virginis... ..	3.8	10 30	139
η Virginis... ..	4.0	11 16	149
δ Virginis... ..	3.7	11 27	134
γ Virginis... ..	3.0	11 43	152
ζ Virginis... ..	3.4	12 30	148
α Serpentis	2.8	14 3	126
ε Serpentis	3.8	14 18	131
κ Ophiuchi	3.4	15 8	119
λ Ophiuchi	3.9	15 11	139
β Ophiuchi	2.9	16 11	132
72 Ophiuchi	3.7	16 17	118
γ Aquilæ	2.8	17 54	116
δ Aquilæ	3.4	18 0	137
α Aquilæ	0.9	18 4	121
β Aquilæ	3.9	18 16	127
ε Delphini	4.0	18 39	115
θ Aquilæ	3.4	19 13	152
ε Pegasi	2.5	19 54	119
ζ Pegasi	3.6	20 48	116
α Aquarii	3.2	21 5	151
γ Aquarii	4.0	21 30	156
γ Piscium... ..	3.9	21 54	137
ω Piscium... ..	4.0	22 19	126
η Piscium... ..	3.7	23 27	106

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 26	244
γ Piscium ...	3.9	0 32	223
ω Piscium ...	4.0	1 31	234
γ Pegasi ...	2.9	2 8	254
δ Ceti ...	4.0	3 36	212
γ Ceti ...	3.7	3 59	223
α Ceti ...	2.8	4 22	226
ο Tauri ...	3.8	5 3	240
π ³ Orionis ...	3.3	6 22	235
ε Orionis ...	1.7	6 24	207
δ Orionis ...	2.5	6 27	211
γ Orionis ...	1.7	6 57	233
α Orionis ...	1.2	7 30	236
β Canis Minoris	3.1	9 6	239
α Canis Minoris	0.5	9 7	231
β Cancrī ...	3.8	9 58	241
ε Hydræ ...	3.5	10 19	234
ζ Hydræ ...	3.3	10 26	233
ο Leonis ...	3.8	11 26	244
α Leonis ...	1.3	11 58	248
ρ Leonis ...	3.9	12 16	242
β Virginis...	3.8	13 2	221
η Virginis...	4.0	13 16	211
γ Virginis...	3.0	13 33	208
δ Virginis...	3.7	14 15	226
ζ Virginis...	3.4	14 32	212
ε Serpentis ...	3.8	17 16	229
α Serpentis ...	2.8	17 17	234
λ Ophiuchi ...	3.9	17 43	221
κ Ophiuchi ...	3.4	18 40	241
β Ophiuchi ...	2.9	19 7	228
γ ² Ophiuchi ...	3.7	19 49	242
δ Aquilæ ...	3.4	20 42	223
θ Aquilæ ...	3.4	21 1	208
β Aquilæ ...	3.9	21 26	233
γ Aquilæ ...	2.8	21 30	244
α Aquilæ ...	0.9	21 30	239
ε Delphini ...	4.0	22 19	245
α Aquarii ...	3.2	22 59	209
γ Aquarii ...	4.0	23 4	204
ε Pegasi ...	2.5	23 26	241

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η Pegasi ...	3.1	0 54	285
α Andromedæ ...	2.2	2 19	283
μ Andromedæ ...	3.9	3 3	302
β Andromedæ ...	2.4	3 19	296
γ Andromedæ ...	2.3	4 3	310
β Trianguli ...	3.1	4 18	295
α Persei ...	1.9	4 56	328
β Persei ...	2.6	5 10	307
δ Persei ...	3.1	5 24	323
ε Persei ...	3.0	6 0	305
α Aurigæ ...	0.2	7 4	319
η Aurigæ ...	3.3	7 7	308
β Aurigæ ...	2.1	7 50	317
θ Aurigæ ...	2.7	8 6	300
α Geminorum ...	2.0	9 44	290
ι Ursæ Majoris	3.1	10 37	325
θ Ursæ Majoris	3.3	10 47	335
40 Lynceis ...	3.3	11 30	295
μ Ursæ Majoris	3.2	12 21	310
ψ Ursæ Majoris	3.2	13 1	317
12 Canum Venat.	2.9	15 2	303
η Ursæ Majoris	1.9	15 20	328
γ Boötis ...	3.0	16 39	303
β Boötis ...	3.6	17 6	307
η Herculis ...	3.6	18 49	304
γ Draconis ...	2.4	19 18	334
π Herculis ...	3.4	19 24	299
α Lyræ ...	0.1	20 44	303
δ Cygni ...	3.0	21 39	316
γ Cygni ...	2.3	22 27	306
α Cygni ...	1.3	22 35	317

NE. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
β Persei	2·6	1 0	51	
ε Persei	3·0	1 47	53	
α Persei	1·9	1 50	29	
δ Persei	3·1	1 56	35	
η Aurigæ	3·3	2 59	50	
α Aurigæ	0·2	3 23	39	
θ Aurigæ	2·7	3 45	58	
β Aurigæ	2·1	4 3	41	
α Geminorum ...	2·0	5 16	69	
40 Lyncis	3·3	7 4	63	
ι Ursæ Majoris	3·1	7 18	33	
μ Ursæ Majoris	3·2	8 17	48	
ψ Ursæ Majoris	3·2	9 14	41	
12 Canum Venat.	2·9	10 45	55	
η Ursæ Majoris	1·9	12 16	29	
γ Boötis	3·0	12 22	55	
β Boötis	3·6	12 56	51	
δ Boötis	3·5	12 59	66	
η Herculis	3·6	14 34	54	
π Herculis	3·4	15 2	59	
α Lyræ	0·1	16 27	55	
γ Draconis	2·4	16 42	23	
δ Cygni	3·0	17 50	42	
γ Cygni	2·3	18 14	53	
ε Cygni	2·6	18 30	66	
α Cygni	1·3	18 48	41	
η Pegasi	3·1	20 25	73	
α Andromedæ ...	2·2	21 50	76	
μ Andromedæ ...	3·9	22 44	56	
β Andromedæ ...	2·4	22 53	63	
β Trianguli ...	3·1	23 53	64	
γ Andromedæ ...	2·3	23 59	48	

SE. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
γ Ceti	3·7	1 15	134	
δ Ceti	4·0	1 27	144	
α Ceti	2·8	1 30	131	
ο Tauri	3·8	1 34	118	
π ³ Orionis	3·3	3 5	123	
γ Orionis	1·7	3 42	124	
α Orionis	1·2	4 9	122	
δ Orionis	2·5	4 21	145	
η Orionis	3·4	4 30	155	
ε Orionis	1·7	4 31	149	
ζ Orionis	2·0	4 43	152	
β Canis Minoris	3·1	5 37	119	
α Canis Minoris	0·5	6 0	127	
β Cancræ	3·8	6 24	117	
ε Hydræ	3·5	7 2	124	
ζ Hydræ	3·3	7 13	125	
ο Leonis	3·8	7 46	114	
α Leonis	1·3	8 8	110	
ρ Leonis	3·9	8 40	116	
β Virginis	3·8	10 25	136	
η Virginis	4·0	11 9	145	
δ Virginis	3·7	11 22	131	
γ Virginis	3·0	11 36	148	
ζ Virginis	3·4	12 23	144	
α Serpentis	2·8	14 0	124	
ε Serpentis	3·8	14 15	129	
μ Serpentis	3·6	15 3	159	
κ Ophiuchi	3·4	15 6	116	
λ Ophiuchi	3·9	15 6	136	
β Ophiuchi	2·9	16 7	129	
72 Ophiuchi	3·7	16 14	116	
η Serpentis	3·4	17 32	157	
γ Aquilæ	2·8	17 52	114	
δ Aquilæ	3·4	17 56	134	
α Aquilæ	0·9	18 1	119	
β Aquilæ	3·9	18 13	125	
θ Aquilæ	3·4	19 5	148	
ε Pegasi	2·5	19 52	116	
ζ Pegasi	3·6	20 46	114	
α Aquarii	3·2	20 58	147	
γ Aquarii	4·0	21 22	151	
γ Piscium	3·9	21 50	134	
ω Piscium	4·0	22 16	124	

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ <i>Pegasi</i> ...	3.6	0 28	246
γ <i>Piscium</i> ...	3.9	0 36	226
ω <i>Piscium</i> ...	4.0	1 34	236
δ <i>Ceti</i> ...	4.0	3 43	216
γ <i>Ceti</i> ...	3.7	4 3	226
α <i>Ceti</i> ...	2.8	4 26	229
ο <i>Tauri</i> ...	3.8	5 6	242
η <i>Orionis</i> ...	3.4	6 10	205
π ³ <i>Orionis</i> ...	3.3	6 25	237
ζ <i>Orionis</i> ...	2.0	6 31	208
ε <i>Orionis</i> ...	1.7	6 33	211
δ <i>Orionis</i> ...	2.5	6 35	215
γ <i>Orionis</i> ...	1.7	6 59	236
α <i>Orionis</i> ...	1.2	7 33	238
β <i>Canis Minoris</i>	3.1	9 9	241
α <i>Canis Minoris</i>	0.5	9 10	233
β <i>Cancrī</i> ...	3.8	10 0	243
ε <i>Hydræ</i> ...	3.5	10 22	236
ζ <i>Hydræ</i> ...	3.3	10 29	235
ο <i>Leonis</i> ...	3.8	11 28	246
α <i>Leonis</i> ...	1.3	12 0	250
ρ <i>Leonis</i> ...	3.9	12 18	244
β <i>Virginis</i> ...	3.8	13 7	224
η <i>Virginis</i> ...	4.0	13 23	215
γ <i>Virginis</i> ...	3.0	13 40	212
δ <i>Virginis</i> ...	3.7	14 20	229
ζ <i>Virginis</i> ...	3.4	14 39	216
μ <i>Serpentis</i> ...	3.6	16 27	201
ε <i>Serpentis</i> ...	3.8	17 19	231
α <i>Serpentis</i> ...	2.8	17 20	236
λ <i>Ophiuchi</i> ...	3.9	17 48	224
κ <i>Ophiuchi</i> ...	3.4	18 42	244
η <i>Serpentis</i> ...	3.4	19 2	203
β <i>Ophiuchi</i> ...	2.9	19 11	231
72 <i>Ophiuchi</i> ...	3.7	19 52	244
δ <i>Aquilæ</i> ...	3.4	20 46	226
θ <i>Aquilæ</i> ...	3.4	21 9	212
β <i>Aquilæ</i> ...	3.9	21 29	235
γ <i>Aquilæ</i> ...	2.8	21 32	246
α <i>Aquilæ</i> ...	0.9	21 33	241
α <i>Aquarii</i> ...	3.2	23 6	213
γ <i>Aquarii</i> ...	4.0	23 12	209
ε <i>Pegasi</i> ...	2.5	23 28	244

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η <i>Pegasi</i> ...	3.1	0 53	287
α <i>Andromedæ</i> ...	2.2	2 18	284
μ <i>Andromedæ</i> ...	3.9	3 0	304
β <i>Andromedæ</i> ...	2.4	3 17	297
γ <i>Andromedæ</i> ...	2.3	3 59	312
β <i>Trianguli</i> ...	3.1	4 17	296
α <i>Persei</i> ...	1.9	4 48	331
β <i>Persei</i> ...	2.6	5 6	309
δ <i>Persei</i> ...	3.1	5 18	325
ε <i>Persei</i> ...	3.0	5 57	307
α <i>Aurigæ</i> ...	0.2	6 59	321
η <i>Aurigæ</i> ...	3.3	7 3	310
β <i>Aurigæ</i> ...	2.1	7 45	319
θ <i>Aurigæ</i> ...	2.7	8 3	302
α <i>Geminorum</i> ...	2.0	9 42	291
ι <i>Ursæ Majoris</i>	3.1	10 30	327
40 <i>Lyncis</i> ...	3.3	11 28	297
μ <i>Ursæ Majoris</i>	3.2	12 17	312
ψ <i>Ursæ Majoris</i>	3.2	12 56	319
12 <i>Canum Venat.</i>	2.9	14 59	305
η <i>Ursæ Majoris</i>	1.9	15 12	331
γ <i>Boötis</i> ...	3.0	16 36	305
β <i>Boötis</i> ...	3.6	17 2	309
δ <i>Boötis</i> ...	3.5	17 25	294
η <i>Herculis</i> ...	3.6	18 46	306
γ <i>Dracōnis</i> ...	2.4	19 8	337
π <i>Herculis</i> ...	3.4	19 22	301
α <i>Lyræ</i> ...	0.1	20 41	305
δ <i>Cygni</i> ...	3.0	21 34	318
γ <i>Cygni</i> ...	2.3	22 24	307
α <i>Cygni</i> ...	1.3	22 30	319
ε <i>Cygni</i> ...	2.6	22 56	294

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Andromedæ ...	2·3	0 3	46
β Persei ...	2·6	1 4	49
ε Persei ...	3·0	1 50	51
α Persei ...	1·9	1 59	26
δ Persei ...	3·1	2 3	32
ι Aurigæ ...	2·9	2 41	65
η Aurigæ ...	3·3	3 3	48
α Aurigæ ...	0·2	3 29	37
θ Aurigæ ...	2·7	3 48	57
β Aurigæ ...	2·1	4 8	39
α Geminorum ...	2·0	5 18	67
40 λ Lyncis ...	3·3	7 7	61
ι Ursæ Majoris ...	3·1	7 26	30
μ Ursæ Majoris ...	3·2	8 21	46
ψ Ursæ Majoris ...	3·2	9 19	39
12 Canum Venat. ...	2·9	10 49	53
η Ursæ Majoris ...	1·9	12 25	26
γ Boötis ...	3·0	12 26	53
β Boötis ...	3·6	13 0	49
δ Boötis ...	3·5	13 1	64
η Herculis ...	3·6	14 37	53
π Herculis ...	3·4	15 5	57
α Lyræ ...	0·1	16 31	53
γ Lyræ ...	3·3	16 44	66
δ Cygni ...	3·0	17 56	39
γ Cygni ...	2·3	18 18	51
ε Cygni ...	2·6	18 32	64
α Cygni ...	1·3	18 53	39
η Pegasi ...	3·1	20 27	72
α Andromedæ ...	2·2	21 52	75
μ Andromedæ ...	3·9	22 47	55
β Andromedæ ...	2·4	22 56	61
β Trianguli ...	3·1	23 55	62

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Ceti ...	3·7	1 10	131
δ Ceti ...	4·0	1 21	140
α Ceti ...	2·8	1 26	129
ο Tauri ...	3·8	1 32	116
π ³ Orionis ...	3·3	3 2	121
γ Orionis ...	1·7	3 39	122
α Orionis ...	1·2	4 6	119
δ Orionis ...	2·5	4 15	141
η Orionis ...	3·4	4 22	150
ε Orionis ...	1·7	4 24	144
ζ Orionis ...	2·0	4 35	148
β Canis Minoris ...	3·1	5 35	116
α Canis Minoris ...	0·5	5 57	124
β Canceri ...	3·8	6 22	115
ε Hydræ ...	3·5	6 59	121
ζ Hydræ ...	3·3	7 10	122
30 Monocerotis ...	4·0	7 34	155
α Leonis ...	1·3	8 7	108
ρ Leonis ...	3·9	8 38	114
β Virginis ...	3·8	10 21	133
η Virginis ...	4·0	11 3	141
δ Virginis ...	3·7	11 18	128
γ Virginis ...	3·0	11 29	144
ζ Virginis ...	3·4	12 17	141
α Serpentis ...	2·8	13 57	121
ε Serpentis ...	3·8	14 11	126
μ Serpentis ...	3·6	14 53	153
λ Ophiuchi ...	3·9	15 1	133
κ Ophiuchi ...	3·4	15 3	114
δ Ophiuchi ...	3·0	15 21	155
β Ophiuchi ...	2·9	16 4	126
72 Ophiuchi ...	3·7	16 12	114
η Serpentis ...	3·4	17 22	151
δ Aquilæ ...	3·4	17 52	131
α Aquilæ ...	0·9	17 59	116
β Aquilæ ...	3·9	18 10	122
θ Aquilæ ...	3·4	18 59	144
ε Pegasi ...	2·5	19 50	114
α Aquarii ...	3·2	20 51	143
γ Aquarii ...	4·0	21 14	147
γ Piscium ...	3·9	21 45	132
ω Piscium ...	4·0	22 14	122

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Piscium... ..	3·9	0 41	228
ω Piscium... ..	4·0	1 36	238
δ Ceti	4·0	3 49	220
γ Ceti	3·7	4 8	229
α Ceti	2·8	4 30	231
ο Tauri	3·8	5 8	244
η Orionis	3·4	6 18	210
π ³ Orionis	3·3	6 28	239
ζ Orionis	2·0	6 39	212
ε Orionis	1·7	6 40	216
δ Orionis	2·5	6 41	219
γ Orionis	1·7	7 2	238
α Orionis	1·2	7 36	241
30 Monocerotis ...	4·0	9 10	205
β Canis Minoris	3·1	9 11	244
α Canis Minoris	0·5	9 13	236
β Cancri	3·8	10 2	245
ε Hydrae	3·5	10 25	239
ζ Hydrae	3·3	10 32	238
α Leonis	1·3	12 1	252
ρ Leonis	3·9	12 20	246
β Virginis... ..	3·8	13 11	227
η Virginis... ..	4·0	13 29	219
γ Virginis... ..	3·0	13 47	216
δ Virginis... ..	3·7	14 24	232
ζ Virginis... ..	3·4	14 45	219
μ Serpentis ...	3·6	16 37	207
δ Ophiuchi ...	3·0	16 59	205
α Serpentis ...	2·8	17 23	239
ε Serpentis ...	3·8	17 23	234
λ Ophiuchi ...	3·9	17 53	227
κ Ophiuchi ...	3·4	18 45	246
η Serpentis ...	3·4	19 12	209
β Ophiuchi ...	2·9	19 14	234
72 Ophiuchi ...	3·7	19 54	246
δ Aquilæ	3·4	20 50	229
θ Aquilæ	3·4	21 15	216
β Aquilæ	3·9	21 32	238
α Aquilæ	0·9	21 35	244
α Aquarii	3·2	23 13	217
γ Aquarii	4·0	23 20	213
ε Pegasi	2·5	23 30	246

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η Pegasi	3·1	0 51	288
α Andromedæ ...	2·2	2 16	285
μ Andromedæ ...	3·9	2 57	305
β Andromedæ ...	2·4	3 14	299
γ Andromedæ ...	2·3	3 55	314
β Trianguli ...	3·1	4 15	298
α Persei	1·9	4 39	334
β Persei	2·6	5 2	311
δ Persei	3·1	5 11	328
ε Persei	3·0	5 54	309
α Aurigæ	0·2	6 53	323
η Aurigæ	3·3	6 59	312
ι Aurigæ	2·9	7 3	295
β Aurigæ	2·1	7 40	321
θ Aurigæ	2·7	8 0	303
α Geminorum ...	2·0	9 40	293
ι Ursæ Majoris	3·1	10 22	330
40 Lyncis	3·3	11 25	299
μ Ursæ Majoris	3·2	12 13	314
ψ Ursæ Majoris	3·2	12 51	321
12 Canum Venat.	2·9	14 55	307
η Ursæ Majoris	1·9	15 3	334
γ Boötis	3·0	16 32	307
β Boötis	3·6	16 58	311
δ Boötis	3·5	17 23	296
η Herculis ...	3·6	18 43	307
π Herculis ...	3·4	19 19	303
α Lyræ	0·1	20 37	307
γ Lyræ	3·3	21 8	294
δ Cygni	3·0	21 28	321
γ Cygni	2·3	22 20	309
α Cygni	1·3	22 25	321
ε Cygni	2·6	22 54	296

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Andromedæ ...	2·3	0 7	44
β Persei ...	2·6	1 8	47
ε Persei ...	3·0	1 54	49
δ Persei ...	3·1	2 10	30
ι Aurigæ ...	2·9	2 43	63
η Aurigæ ...	3·3	3 7	46
α Aurigæ ...	0·2	3 35	34
θ Aurigæ ...	2·7	3 51	55
β Aurigæ ...	2·1	4 14	37
α Geminorum ...	2·0	5 19	65
40 Lyncis ...	3·3	7 9	60
ι Ursæ Majoris	3·1	7 34	27
μ Ursæ Majoris	3·2	8 25	44
ψ Ursæ Majoris	3·2	9 25	37
12 Canum Venat.	2·9	10 52	51
γ Boötis ...	3·0	12 29	51
δ Boötis ...	3·5	13 4	62
β Boötis ...	3·6	13 4	47
ζ Herculis ...	3·0	14 28	66
η Herculis ...	3·6	14 41	51
π Herculis ...	3·4	15 8	55
α Lyræ ...	0·1	16 34	51
γ Lyræ ...	3·3	16 47	64
δ Cygni ...	3·0	18 2	37
γ Cygni ...	2·3	18 22	49
ε Cygni ...	2·6	18 35	62
α Cygni ...	1·3	18 59	37
η Pegasi ...	3·1	20 28	70
α Andromedæ ...	2·2	21 53	73
μ Andromedæ ...	3·9	22 50	53
β Andromedæ ...	2·4	22 58	59
β Trianguli ...	3·1	23 58	60

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Ceti ...	3·7	1 6	129
δ Ceti ...	4·0	1 16	137
α Ceti ...	2·8	1 22	126
ο Tauri ...	3·8	1 30	114
π ³ Orionis ...	3·3	2 59	118
γ Orionis ...	1·7	3 37	120
α Orionis ...	1·2	4 4	117
δ Orionis ...	2·5	4 10	138
η Orionis ...	3·4	4 15	146
ε Orionis ...	1·7	4 19	141
ζ Orionis ...	2·0	4 28	144
β Canis Minoris	3·1	5 33	114
α Canis Minoris	0·5	5 54	122
ε Hydræ ...	3·5	6 57	119
ζ Hydræ ...	3·3	7 7	120
30 Monocerotis ...	4·0	7 25	150
α Leonis ...	1·3	8 6	106
β Virginis ...	3·8	10 17	131
η Virginis ...	4·0	10 58	138
δ Virginis ...	3·7	11 15	126
γ Virginis ...	3·0	11 23	140
ζ Virginis ...	3·4	12 12	138
α Serpentis ...	2·8	13 55	119
ε Serpentis ...	3·8	14 8	124
μ Serpentis ...	3·6	14 45	149
λ Ophiuchi ...	3·9	14 57	130
δ Ophiuchi ...	3·0	15 12	150
ε Ophiuchi ...	3·3	15 24	154
β Ophiuchi ...	2·9	16 1	124
η Serpentis ...	3·4	17 14	147
δ Aquilæ ...	3·4	17 48	128
α Aquilæ ...	0·9	17 56	114
β Aquilæ ...	3·9	18 7	120
λ Aquilæ ...	3·6	18 17	157
θ Aquilæ ...	3·4	18 53	141
α Aquarii ...	3·2	20 45	139
γ Aquarii ...	4·0	21 8	143
γ Piscium ...	3·9	21 41	129
ω Piscium ...	4·0	22 11	120

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Piscium... ..	3·9	0 45	231
ω Piscium... ..	4·0	1 39	240
δ Ceti	4·0	3 54	223
γ Ceti	3·7	4 12	231
α Ceti	2·8	4 34	234
ο <i>Tauri</i>	3·8	5 10	246
η Orionis	3·4	6 25	214
π ³ Orionis	3·3	6 31	242
ε Orionis	1·7	6 45	219
δ Orionis	2·5	6 46	222
ζ Orionis	2·0	6 46	216
γ Orionis	1·7	7 5	240
α Orionis	1·2	7 38	243
β <i>Canis Minoris</i>	3·1	9 13	246
α <i>Canis Minoris</i>	0·5	9 16	238
30 Monocerotis ...	4·0	9 19	210
ε Hydræ	3·5	10 27	241
ζ Hydræ	3·3	10 35	240
α <i>Leonis</i>	1·3	12 2	254
β Virginis... ..	3·8	13 15	229
η Virginis... ..	4·0	13 34	222
γ Virginis... ..	3·0	13 53	220
δ Virginis... ..	3·7	14 27	234
ζ Virginis... ..	3·4	14 50	222
μ Serpentis ...	3·6	16 45	211
ε Ophiuchi	3·3	17 4	206
δ Ophiuchi	3·0	17 8	210
α Serpentis	2·8	17 25	241
ε Serpentis	3·8	17 25	236
λ Ophiuchi	3·9	17 57	230
β Ophiuchi	2·9	19 17	236
η Serpentis	3·4	19 20	213
λ <i>Aquilæ</i>	3·6	19 47	203
δ <i>Aquilæ</i>	3·4	20 54	232
θ <i>Aquilæ</i>	3·4	21 21	219
β <i>Aquilæ</i>	3·9	21 35	240
α <i>Aquilæ</i>	0·9	21 38	246
α <i>Aquarii</i>	3·2	23 19	221
γ <i>Aquarii</i>	4·0	23 26	217

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
η <i>Pegasi</i>	3·1	0 50	290
α <i>Andromedæ</i> ...	2·2	2 15	287
μ <i>Andromedæ</i> ...	3·9	2 53	307
β <i>Andromedæ</i> ...	2·4	3 12	301
γ <i>Andromedæ</i> ...	2·3	3 51	316
β <i>Trianguli</i>	3·1	4 12	300
β <i>Persei</i>	2·6	4 58	313
δ <i>Persei</i>	3·1	5 4	330
ε <i>Persei</i>	3·0	5 50	311
α <i>Aurigæ</i>	0·2	6 47	326
η <i>Aurigæ</i>	3·3	6 55	314
ι <i>Aurigæ</i>	2·9	7 1	297
β <i>Aurigæ</i>	2·1	7 34	323
θ <i>Aurigæ</i>	2·7	7 57	305
α <i>Geminorum</i> ...	2·0	9 39	295
ι <i>Ursæ Majoris</i>	3·1	10 14	333
40 <i>Lyncis</i>	3·3	11 23	300
μ <i>Ursæ Majoris</i>	3·2	12 9	316
ψ <i>Ursæ Majoris</i>	3·2	12 45	323
12 <i>Canum Venat.</i>	2·9	14 52	309
γ <i>Boötis</i>	3·0	16 29	309
β <i>Boötis</i>	3·6	16 54	313
δ <i>Boötis</i>	3·5	17 20	298
η <i>Herculis</i>	3·6	18 39	309
ζ <i>Herculis</i>	3·0	18 48	294
π <i>Herculis</i>	3·4	19 16	305
α <i>Lyræ</i>	0·1	20 34	309
γ <i>Lyræ</i>	3·3	21 5	296
δ <i>Cygni</i>	3·0	21 22	323
γ <i>Cygni</i>	2·3	22 16	311
α <i>Cygni</i>	1·3	22 19	323
ε <i>Cygni</i>	2·6	22 51	298

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Trianguli ...	3·1	0 0	58
γ Andromedæ ...	2·3	0 12	42
β Persei ...	2·6	1 12	45
ζ Persei ...	2·9	1 41	65
ε Persei ...	3·0	1 58	47
δ Persei ...	3·1	2 18	27
ι Aurigæ ...	2·9	2 45	62
η Aurigæ ...	3·3	3 11	44
α Aurigæ ...	0·2	3 42	32
θ Aurigæ ...	2·7	3 54	53
β Aurigæ ...	2·1	4 20	34
α Geminorum ...	2·0	5 21	64
40 Lyncis ...	3·3	7 12	58
ι Ursæ Majoris	3·1	7 43	24
μ Ursæ Majoris	3·2	8 30	42
ψ Ursæ Majoris	3·2	9 30	35
12 Canum Venat.	2·9	10 55	49
γ Boötis ...	3·0	12 32	50
δ Boötis ...	3·5	13 6	61
β Boötis ...	3·6	13 8	45
ζ Herculis ...	3·0	14 30	64
η Herculis ...	3·6	14 45	49
ε Herculis ...	3·9	14 49	66
π Herculis ...	3·4	15 11	54
α Lyræ ...	0·1	16 37	50
γ Lyræ ...	3·3	16 49	63
δ Cygni ...	3·0	18 7	35
γ Cygni ...	2·3	18 26	47
ε Cygni ...	2·6	18 37	61
α Cygni ...	1·3	19 5	34
η Pegasi ...	3·1	20 30	68
α Andromedæ ...	2·2	21 54	71
δ Andromedæ ...	3·5	22 26	67
μ Andromedæ ...	3·9	22 54	51
β Andromedæ ...	2·4	23 1	57

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Ceti ...	3·7	1 4	126
δ Ceti ...	4·0	1 11	134
α Ceti ...	2·8	1 19	124
ο Tauri ...	3·8	1 28	112
π ³ Orionis ...	3·3	2 57	116
γ Orionis ...	1·7	3 35	117
α Orionis ...	1·2	4 2	115
δ Orionis ...	2·5	4 6	136
η Orionis ...	3·4	4 9	143
β Eridani ...	2·9	4 12	154
ε Orionis ...	1·7	4 14	138
ζ Orionis ...	2·0	4 23	141
α Canis Minoris	0·5	5 51	120
ε Hydræ ...	3·5	6 55	117
ζ Hydræ ...	3·3	7 5	118
30 Monocerotis ...	4·0	7 18	146
α Leonis ...	1·3	8 5	104
β Virginis ...	3·8	10 13	128
η Virginis ...	4·0	10 53	135
δ Virginis ...	3·7	11 13	124
γ Virginis ...	3·0	11 19	137
ζ Virginis ...	3·4	12 8	135
α Serpentis ...	2·8	13 53	117
ε Serpentis ...	3·8	14 6	122
μ Serpentis ...	3·6	14 38	145
λ Ophiuchi ...	3·9	14 54	128
δ Ophiuchi ...	3·0	15 5	146
ε Ophiuchi ...	3·3	15 16	150
β Ophiuchi ...	2·9	15 58	122
η Serpentis ...	3·4	17 8	144
δ Aquilæ ...	3·4	17 45	126
β Aquilæ ...	3·9	18 5	118
λ Aquilæ ...	3·6	18 8	152
θ Aquilæ ...	3·4	18 48	138
α Aquarii ...	3·2	20 40	136
β Aquarii ...	3·1	20 42	156
γ Aquarii ...	4·0	21 2	140
γ Piscium ...	3·9	21 38	126
ω Piscium ...	4·0	22 8	117

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Piscium... ..	3·9	0 48	234
ω Piscium... ..	4·0	1 42	243
δ Ceti	4·0	3 59	226
γ Ceti	3·7	4 14	234
α Ceti	2·8	4 37	236
ο <i>Tauri</i>	3·8	5 12	248
β Eridani	2·9	5 56	206
η Orionis	3·4	6 31	217
π ³ Orionis	3·3	6 33	244
δ Orionis	2·5	6 50	224
ε Orionis	1·7	6 50	222
ζ Orionis	2·0	6 51	219
γ Orionis	1·7	7 7	243
α Orionis	1·2	7 40	245
α Canis Minoris	0·5	9 19	240
30 Monocerotis ...	4·0	9 26	214
ε Hydræ	3·5	10 29	243
ζ Hydræ	3·3	10 37	242
α <i>Leonis</i>	1·3	12 3	256
β Virginis... ..	3·8	13 19	232
η Virginis... ..	4·0	13 39	225
γ Virginis... ..	3·0	13 57	223
δ Virginis... ..	3·7	14 29	236
ζ Virginis... ..	3·4	14 54	225
μ Serpentis ...	3·6	16 52	215
ε Ophiuchi ...	3·3	17 12	210
δ Ophiuchi ...	3·0	17 15	214
α Serpentis ...	2·8	17 27	243
ε Serpentis ...	3·8	17 28	238
λ Ophiuchi ...	3·9	18 0	232
β Ophiuchi ...	2·9	19 20	238
η Serpentis ...	3·4	19 26	216
λ Aquilæ	3·6	19 56	208
δ Aquilæ	3·4	20 57	234
θ Aquilæ	3·4	21 26	222
β Aquilæ	3·9	21 37	242
β <i>Aquarii</i>	3·1	22 12	204
α <i>Aquarii</i>	3·2	23 23	224
γ <i>Aquarii</i>	4·0	23 32	220

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
η <i>Pegasi</i>	3·1	0 48	292
α <i>Andromedæ</i> ...	2·2	2 14	289
μ <i>Andromedæ</i> ...	3·9	2 50	309
β <i>Andromedæ</i> ...	2·4	3 9	303
γ <i>Andromedæ</i> ...	2·3	3 46	318
β <i>Trianguli</i> ...	3·1	4 10	302
β <i>Persei</i>	2·6	4 55	315
δ <i>Persei</i>	3·1	4 56	333
ε <i>Persei</i>	3·0	5 46	313
ζ <i>Persei</i>	2·9	5 57	295
α <i>Aurigæ</i>	0·2	6 40	328
η <i>Aurigæ</i>	3·3	6 51	316
ι <i>Aurigæ</i>	2·9	6 59	298
β <i>Aurigæ</i>	2·1	7 28	326
θ <i>Aurigæ</i>	2·7	7 54	307
α <i>Geminorum</i> ...	2·0	9 37	296
ι <i>Ursæ Majoris</i>	3·1	10 5	336
40 <i>Lyncis</i>	3·3	11 20	302
μ <i>Ursæ Majoris</i>	3·2	12 4	318
ψ <i>Ursæ Majoris</i>	3·2	12 40	325
12 <i>Canum Venat.</i>	2·9	14 49	311
γ <i>Boötis</i>	3·0	16 26	310
β <i>Boötis</i>	3·6	16 50	315
δ <i>Boötis</i>	3·5	17 18	299
η <i>Herculis</i> ...	3·6	18 35	311
ζ <i>Herculis</i> ...	3·0	18 46	296
ε <i>Herculis</i> ...	3·9	19 5	294
π <i>Herculis</i> ...	3·4	19 13	306
α <i>Lyræ</i>	0·1	20 31	310
γ <i>Lyræ</i>	3·3	21 3	297
δ <i>Cygni</i>	3·0	21 17	325
γ <i>Cygni</i>	2·3	22 12	313
α <i>Cygni</i>	1·3	22 13	326
ε <i>Cygni</i>	2·6	22 49	299

NE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h.	m.	o
β Trianguli ...	3·1	0	3	57
γ Andromedæ ...	2·3	0	17	40
β Persei ...	2·6	1	16	43
ζ Persei ...	2·9	1	43	63
ε Persei ...	3·0	2	2	45
ι Aurigæ ...	2·9	2	48	60
η Aurigæ ...	3·3	3	16	42
α Aurigæ ...	0·2	3	49	29
θ Aurigæ ...	2·7	3	57	51
β Aurigæ ...	2·1	4	27	32
α Geminorum ...	2·0	5	23	62
40 Lyncis ...	3·3	7	15	56
μ Ursæ Majoris	3·2	8	35	40
ψ Ursæ Majoris	3·2	9	37	32
12 Canum Venat.	2·9	10	59	47
ρ Boötis ...	3·8	12	21	65
γ Boötis ...	3·0	12	36	48
δ Boötis ...	3·5	13	9	59
β Boötis ...	3·6	13	12	43
ζ Herculis ...	3·0	14	32	62
η Herculis ...	3·6	14	49	47
ε Herculis ...	3·9	14	51	64
π Herculis ...	3·4	15	14	52
α Lyræ ...	0·1	16	41	48
γ Lyræ ...	3·3	16	51	61
δ Cygni ...	3·0	18	14	32
γ Cygni ...	2·3	18	30	45
ε Cygni ...	2·6	18	40	59
α Cygni ...	1·3	19	11	32
η Pegasi ...	3·1	20	32	67
α Andromedæ ...	2·2	21	56	69
δ Andromedæ ...	3·5	22	28	65
μ Andromedæ ...	3·9	22	57	49
β Andromedæ ...	2·4	23	4	55

SE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h.	m.	o
γ Ceti ...	3·7	1	1	124
δ Ceti ...	4·0	1	7	131
α Ceti ...	2·8	1	16	122
π ³ Orionis ...	3·3	2	55	114
γ Orionis ...	1·7	3	33	115
δ Orionis ...	2·5	4	2	133
η Orionis ...	3·4	4	3	139
β Eridani ...	2·9	4	4	149
ε Orionis ...	1·7	4	9	135
ζ Orionis ...	2·0	4	18	138
ι Orionis ...	2·9	4	37	152
α Canis Minoris	0·5	5	49	117
ε Hydræ ...	3·5	6	53	115
ζ Hydræ ...	3·3	7	3	116
30 Monocerotis ...	4·0	7	12	143
α Leonis ...	1·3	8	3	102
β Virginis...	3·8	10	10	126
η Virginis...	4·0	10	49	132
δ Virginis...	3·7	11	10	122
γ Virginis...	3·0	11	15	134
ζ Virginis...	3·4	12	4	132
α Serpentis ...	2·8	13	51	115
ε Serpentis ...	3·8	14	3	119
μ Serpentis ...	3·6	14	32	142
λ Ophiuchi ...	3·9	14	51	126
δ Ophiuchi ...	3·0	14	59	143
ε Ophiuchi ...	3·3	15	9	146
β Ophiuchi ...	2·9	15	56	120
η Serpentis ...	3·4	17	2	140
δ Aquilæ ...	3·4	17	42	123
λ Aquilæ ...	3·6	18	1	148
β Aquilæ ...	3·9	18	3	116
θ Aquilæ ...	3·4	18	43	135
β Aquarii ...	3·1	20	32	152
α Aquarii ...	3·2	20	36	133
γ Aquarii ...	4·0	20	58	137
γ Piscium...	3·9	21	35	124
ω Piscium...	4·0	22	6	115

SW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
γ Piscium... ..	3.9	0 51	236	
ω Piscium... ..	4.0	1 44	245	
δ Ceti	4.0	4 3	229	
γ Ceti	3.7	4 17	236	
α Ceti	2.8	4 40	238	
β Eridani	2.9	6 4	211	
ι Orionis	2.9	6 25	208	
π ³ Orionis	3.3	6 35	246	
η Orionis	3.4	6 37	221	
δ Orionis	2.5	6 54	227	
ε Orionis	1.7	6 55	225	
ζ Orionis	2.0	6 56	222	
γ Orionis	1.7	7 9	245	
α Orionis	1.2	7 42	247	
α Canis Minoris	0.5	9 21	243	
30 Monocerotis ...	4.0	9 32	217	
ε Hydræ	3.5	10 31	245	
ζ Hydræ	3.3	10 39	244	
α Leonis	1.3	12 5	258	
β Virginis... ..	3.8	13 22	234	
η Virginis... ..	4.0	13 43	228	
γ Virginis... ..	3.0	14 1	226	
δ Virginis... ..	3.7	14 32	238	
ζ Virginis... ..	3.4	14 58	228	
μ Serpentis	3.6	16 58	218	
ε Ophiuchi	3.3	17 19	214	
δ Ophiuchi	3.0	17 21	217	
α Serpentis	2.8	17 29	245	
ε Serpentis	3.8	17 31	241	
λ Ophiuchi	3.9	18 3	234	
β Ophiuchi	2.9	19 22	240	
η Serpentis	3.4	19 32	220	
λ Aquilæ	3.6	20 3	212	
δ Aquilæ	3.4	21 0	237	
θ Aquilæ	3.4	21 31	225	
β Aquilæ	3.9	21 39	244	
β Aquarii	3.1	22 22	208	
α Aquarii	3.2	23 28	227	
γ Aquarii	4.0	23 36	223	

NW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
η Pegasi	3.1	0 46	293	
α Andromedæ ...	2.2	2 12	291	
δ Andromedæ ...	3.5	2 42	295	
μ Andromedæ ...	3.9	2 47	311	
β Andromedæ ...	2.4	3 6	305	
γ Andromedæ ...	2.3	3 41	320	
β Trianguli ...	3.1	4 7	303	
β Persei	2.6	4 50	317	
ε Persei	3.0	5 42	315	
ζ Persei	2.9	5 55	297	
α Aurigæ	0.2	6 33	331	
η Aurigæ	3.3	6 46	318	
ι Aurigæ	2.9	6 56	300	
β Aurigæ	2.1	7 21	328	
θ Aurigæ	2.7	7 51	309	
α Geminorum ...	2.0	9 35	298	
40 Lyncis	3.3	11 17	304	
μ Ursæ Majoris	3.2	11 59	320	
ψ Ursæ Majoris	3.2	12 33	328	
12 Canum Venat.	2.9	14 45	313	
γ Boötis	3.0	16 22	312	
ρ Boötis	3.8	16 35	295	
β Boötis	3.6	16 46	317	
δ Boötis	3.5	17 15	301	
η Herculis	3.6	18 31	313	
ζ Herculis	3.0	18 44	298	
ε Herculis	3.9	19 3	296	
π Herculis	3.4	19 10	308	
α Lyræ	0.1	20 27	312	
γ Lyræ	3.3	21 1	299	
δ Cygni	3.0	21 10	328	
α Cygni	1.3	22 7	328	
γ Cygni	2.3	22 8	315	
ε Cygni	2.6	22 46	301	

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Trianguli ...	3.1	0 6	55
γ Andromedæ ...	2.3	0 22	38
β Persei ...	2.6	1 21	41
ζ Persei ...	2.9	1 45	61
ε Persei ...	3.0	2 7	43
ι Aurigæ ...	2.9	2 50	58
η Aurigæ ...	3.3	3 21	40
α Aurigæ ...	0.2	3 57	26
θ Aurigæ ...	2.7	4 1	49
β Aurigæ ...	2.1	4 34	29
α Geminorum ...	2.0	5 26	60
40 Lyncis ...	3.3	7 18	54
μ Ursæ Majoris	3.2	8 40	38
ψ Ursæ Majoris	3.2	9 44	29
12 Canum Venat.	2.9	11 4	45
ρ Boötis ...	3.8	12 24	63
γ Boötis ...	3.0	12 40	46
δ Boötis ...	3.5	13 11	57
β Boötis ...	3.6	13 17	41
ζ Herculis ...	3.0	14 35	61
ε Herculis ...	3.9	14 53	63
η Herculis ...	3.6	14 53	44
π Herculis ...	3.4	15 18	50
α Lyræ ...	0.1	16 45	46
γ Lyræ ...	3.3	16 54	59
δ Cygni ...	3.0	18 21	29
γ Cygni ...	2.3	18 34	43
ε Cygni ...	2.6	18 42	57
ζ Cygni ...	3.4	19 3	65
α Cygni ...	1.3	19 19	29
η Pegasi ...	3.1	20 34	65
α Andromedæ ...	2.2	21 57	67
δ Andromedæ ...	3.5	22 30	64
μ Andromedæ ...	3.9	23 1	47
β Andromedæ ...	2.4	23 7	54

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Ceti ...	3.7	0 58	121
δ Ceti ...	4.0	1 4	129
α Ceti ...	2.8	1 14	119
β Eridani ...	2.9	3 57	145
δ Orionis ...	2.5	3 58	130
η Orionis ...	3.4	3 59	136
ε Orionis ...	1.7	4 5	132
ζ Orionis ...	2.0	4 14	135
ι Orionis ...	2.9	4 29	148
α Canis Minoris	0.5	5 47	115
ζ Hydræ ...	3.3	7 1	114
30 Monocerotis ...	4.0	7 6	140
α Leonis ...	1.3	8 2	100
β Virginis ...	3.8	10 7	123
η Virginis ...	4.0	10 45	130
δ Virginis ...	3.7	11 7	119
γ Virginis ...	3.0	11 11	132
ζ Virginis ...	3.4	12 0	129
ε Serpentis ...	3.8	14 0	117
μ Serpentis ...	3.6	14 27	138
λ Ophiuchi ...	3.9	14 48	123
δ Ophiuchi ...	3.0	14 53	139
ε Ophiuchi ...	3.3	15 3	143
β Ophiuchi ...	2.9	15 53	117
η Serpentis ...	3.4	16 58	137
δ Aquilæ ...	3.4	17 39	121
λ Aquilæ ...	3.6	17 55	145
β Aquilæ ...	3.9	18 1	114
θ Aquilæ ...	3.4	18 39	132
β Aquarii ...	3.1	20 25	148
α Aquarii ...	3.2	20 33	131
γ Aquarii ...	4.0	20 53	134
γ Piscium ...	3.9	21 32	122
λ Aquarii ...	3.8	22 3	157

SW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
γ Piscium...	3.9	0 54	238	
δ Ceti ...	4.0	4 6	231	
γ Ceti ...	3.7	4 20	239	
α Ceti ...	2.8	4 42	241	
β Eridani ...	2.9	6 11	215	
ι Orionis ...	2.9	6 33	212	
η Orionis ...	3.4	6 41	224	
δ Orionis ...	2.5	6 58	230	
ε Orionis ...	1.7	6 59	228	
ζ Orionis ...	2.0	7 0	225	
α Orionis ...	1.2	7 43	249	
α Canis Minoris	0.5	9 23	245	
30 Monocerotis ...	4.0	9 38	220	
ζ Hydræ ...	3.3	10 41	246	
α Leonis ...	1.3	12 6	260	
β Virginis ...	3.8	13 25	237	
η Virginis...	4.0	13 47	230	
γ Virginis...	3.0	14 5	228	
δ Virginis...	3.7	14 35	241	
ζ Virginis...	3.4	15 2	231	
μ Serpentis ...	3.6	17 3	221	
ε Ophiuchi ...	3.3	17 25	217	
δ Ophiuchi ...	3.0	17 27	221	
ε Serpentis ...	3.8	17 34	243	
λ Ophiuchi ...	3.9	18 6	237	
β Ophiuchi ...	2.9	19 25	243	
η Serpentis ...	3.4	19 37	223	
λ Aquilæ ...	3.6	20 9	215	
δ Aquilæ ...	3.4	21 3	239	
θ Aquilæ ...	3.4	21 35	228	
β Aquilæ ...	3.9	21 41	246	
β Aquarii ...	3.1	22 29	212	
α Aquarii ...	3.2	23 31	229	
λ Aquarii ...	3.8	23 33	203	
γ Aquarii ...	4.0	23 41	226	

NW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
η Pegasi ...	3.1	0 44	295	
α Andromedæ ...	2.2	2 11	293	
δ Andromedæ ...	3.5	2 40	296	
μ Andromedæ ...	3.9	2 43	313	
β Andromedæ ...	2.4	3 3	306	
γ Andromedæ ...	2.3	3 36	322	
β Trianguli ...	3.1	4 4	305	
β Persei ...	2.6	4 45	319	
ε Persei ...	3.0	5 37	317	
ζ Persei ...	2.9	5 53	299	
α Aurigæ ...	0.2	6 25	334	
η Aurigæ ...	3.3	6 41	320	
ι Aurigæ ...	2.9	6 54	302	
β Aurigæ ...	2.1	7 14	331	
θ Aurigæ ...	2.7	7 47	311	
α Geminorum ...	2.0	9 32	300	
40 Lyncis ...	3.3	11 14	306	
μ Ursæ Majoris	3.2	11 54	322	
ψ Ursæ Majoris	3.2	12 26	331	
12 Canum Venat.	2.9	14 40	315	
γ Boötis ...	3.0	16 18	314	
ρ Boötis ...	3.8	16 32	297	
β Boötis ...	3.6	16 41	319	
δ Boötis ...	3.5	17 13	303	
η Herculis ...	3.6	18 27	316	
ζ Herculis ...	3.0	18 41	299	
ε Herculis ...	3.9	19 1	297	
π Herculis ...	3.4	19 6	310	
α Lyræ ...	0.1	20 23	314	
γ Lyræ ...	3.3	20 58	301	
δ Cygni ...	3.0	21 3	331	
α Cygni ...	1.3	21 59	331	
γ Cygni ...	2.3	22 4	317	
ε Cygni ...	2.6	22 44	303	
ζ Cygni ...	3.4	23 15	295	

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Trianguli ...	3.1	0 9	53
γ Andromedæ ...	2.3	0 28	35
β Persei ...	2.6	1 26	39
ζ Persei ...	2.9	1 47	59
ε Persei ...	3.0	2 11	41
ι Aurigæ ...	2.9	2 53	56
β <i>Tauri</i> ...	1.8	3 16	66
η Aurigæ ...	3.3	3 26	37
θ Aurigæ ...	2.7	4 5	47
β Aurigæ ...	2.1	4 41	26
α Geminorum ...	2.0	5 28	58
40 Lyncis ...	3.3	7 21	52
μ Ursæ Majoris	3.2	8 46	35
ψ Ursæ Majoris	3.2	9 52	26
12 Canum Venat.	2.9	11 8	43
ρ Boötis ...	3.8	12 26	61
γ Boötis ...	3.0	12 44	43
δ Boötis ...	3.5	13 14	55
β Boötis ...	3.6	13 22	39
ζ Herculis ...	3.0	14 37	59
ε Herculis ...	3.9	14 55	61
η Herculis ...	3.6	14 57	42
π Herculis ...	3.4	15 22	48
α Lyræ ...	0.1	16 49	43
γ Lyræ ...	3.3	16 56	57
δ Cygni ...	3.0	18 29	26
γ Cygni ...	2.3	18 39	40
ε Cygni ...	2.6	18 45	55
ζ Cygni ...	3.4	19 6	63
α Cygni ...	1.3	19 26	26
η Pegasi ...	3.1	20 36	63
α Andromedæ ...	2.2	21 59	65
δ Andromedæ ...	3.5	22 32	62
μ Andromedæ ...	3.9	23 5	45
β Andromedæ ...	2.4	23 11	52

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Ceti ...	3.7	0 55	119
δ Ceti ...	4.0	1 0	126
α Ceti ...	2.8	1 12	117
β Eridani ...	2.9	3 51	142
η Orionis ...	3.4	3 55	133
δ Orionis ...	2.5	3 55	128
ε Orionis ...	1.7	4 1	130
ζ Orionis ...	2.0	4 10	132
β Orionis ...	0.3	4 21	155
ι Orionis ...	2.9	4 23	145
α <i>Canis Minoris</i>	0.5	5 45	113
ζ <i>Hydræ</i> ...	3.3	6 59	112
30 Monocerotis ...	4.0	7 2	137
α <i>Hydræ</i> ...	2.2	8 33	155
β Virginis...	3.8	10 4	121
η Virginis...	4.0	10 42	127
δ Virginis...	3.7	11 4	117
γ Virginis...	3.0	11 7	129
ζ Virginis...	3.4	11 57	127
ε Serpentis ...	3.8	13 58	115
μ Serpentis ...	3.6	14 23	136
λ Ophiuchi ...	3.9	14 45	121
δ Ophiuchi ...	3.0	14 49	136
ε Ophiuchi ...	3.3	14 58	139
β Ophiuchi ...	2.9	15 51	115
η Serpentis ...	3.4	16 54	134
δ Aquilæ ...	3.4	17 37	119
λ Aquilæ ...	3.6	17 49	141
θ Aquilæ ...	3.4	18 36	129
β Aquarii ...	3.1	20 19	144
α Aquarii ...	3.2	20 30	128
γ Aquarii ...	4.0	20 49	132
γ Piscium...	3.9	21 30	119
λ Aquarii ...	3.8	21 55	153

SW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
γ Piscium	3·9	0 56	241	
δ Ceti	4·0	4 10	234	
γ Ceti	3·7	4 23	241	
α Ceti	2·8	4 44	243	
β Orionis	0·3	6 1	205	
β Eridani	2·9	6 17	218	
ι Orionis	2·9	6 39	215	
η Orionis	3·4	6 45	227	
δ Orionis	2·5	7 1	232	
ε Orionis	1·7	7 3	230	
ζ Orionis	2·0	7 4	228	
α Orionis	1·2	7 45	251	
α Canis Minoris	0·5	9 25	247	
30 Monocerotis ...	4·0	9 42	223	
α Hydræ	2·2	10 15	205	
ζ Hydræ	3·3	10 43	248	
β Virginis... ..	3·8	13 28	239	
η Virginis... ..	4·0	13 50	233	
γ Virginis... ..	3·0	14 9	231	
δ Virginis... ..	3·7	14 38	243	
ζ Virginis... ..	3·4	15 5	233	
μ Serpentis	3·6	17 7	224	
ε Ophiuchi	3·3	17 30	221	
δ Ophiuchi	3·0	17 31	224	
ε Serpentis	3·8	17 36	245	
λ Ophiuchi	3·9	18 9	239	
β Ophiuchi	2·9	19 27	245	
η Serpentis	3·4	19 41	226	
λ Aquilæ	3·6	20 15	219	
δ Aquilæ	3·4	21 5	241	
θ Aquilæ	3·4	21 38	231	
β Aquarii	3·1	22 35	216	
α Aquarii	3·2	23 34	232	
λ Aquarii	3·8	23 41	207	
γ Aquarii	4·0	23 45	228	

NW. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
η Pegasi	3·1	0 42	297	
α Andromedæ ...	2·2	2 9	295	
δ Andromedæ ...	3·5	2 38	298	
μ Andromedæ ...	3·9	2 39	315	
β Andromedæ ...	2·4	2 59	308	
γ Andromedæ ...	2·3	3 30	325	
β Trianguli	3·1	4 1	307	
β Persei	2·6	4 40	321	
ε Persei	3·0	5 33	319	
ζ Persei	2·9	5 51	301	
η Aurigæ	3·3	6 36	323	
ι Aurigæ	2·9	6 51	304	
β Aurigæ	2·1	7 7	334	
β Tauri	1·8	7 26	294	
θ Aurigæ	2·7	7 43	313	
α Geminorum ...	2·0	9 30	302	
40 Lyncis	3·3	11 11	308	
μ Ursæ Majoris	3·2	11 48	325	
ψ Ursæ Majoris	3·2	12 18	334	
12 Canum Venat.	2·9	14 36	317	
γ Boötis	3·0	16 14	317	
ρ Boötis	3·8	16 30	299	
β Boötis	3·6	16 36	321	
δ Boötis	3·5	17 10	305	
η Herculis	3·6	18 23	318	
ζ Herculis	3·0	18 39	301	
ε Herculis	3·9	18 59	299	
π Herculis	3·4	19 2	312	
α Lyræ	0·1	20 19	317	
δ Cygni	3·0	20 55	334	
γ Lyræ	3·3	20 56	303	
α Cygni	1·3	21 52	334	
γ Cygni	2·3	21 59	320	
ε Cygni	2·6	22 41	305	
ζ Cygni	3·4	23 12	297	

NE. QUADRANT

Star.	Mag.	L.S.T.		Az.
		h. m.	°	
β Trianguli ...	3.1	0 13	51	
γ Andromedæ ...	2.3	0 35	32	
β Persei ...	2.6	1 31	36	
ζ Persei ...	2.9	1 50	57	
ε Persei ...	3.0	2 17	38	
ι Aurigæ ...	2.9	2 56	54	
β Tauri ...	1.8	3 18	64	
η Aurigæ ...	3.3	3 31	35	
θ Aurigæ ...	2.7	4 9	45	
α Geminorum ...	2.0	5 31	57	
β Geminorum ...	1.2	5 37	65	
40 Lyncis ...	3.3	7 24	50	
μ Ursæ Majoris ...	3.2	8 52	32	
δ Leonis ...	2.6	9 3	79	
12 Canum Venat. ...	2.9	11 13	41	
ρ Boötis ...	3.8	12 28	59	
ε Boötis ...	2.7	12 37	66	
γ Boötis ...	3.0	12 49	41	
δ Boötis ...	3.5	13 17	53	
β Boötis ...	3.6	13 27	36	
ζ Herculis ...	3.0	14 40	57	
ε Herculis ...	3.9	14 57	59	
η Herculis ...	3.6	15 2	40	
π Herculis ...	3.4	15 26	46	
μ Herculis ...	3.5	15 39	65	
α Lyræ ...	0.1	16 54	41	
γ Lyræ ...	3.3	16 59	55	
β Cygni ...	3.2	17 23	65	
γ Cygni ...	2.3	18 45	38	
ε Cygni ...	2.6	18 48	53	
ζ Cygni ...	3.4	19 8	61	
η Pegasi ...	3.1	20 38	61	
β Pegasi ...	2.5	20 56	66	
α Andromedæ ...	2.2	22 2	64	
δ Andromedæ ...	3.5	22 34	60	
μ Andromedæ ...	3.9	23 10	43	
β Andromedæ ...	2.4	23 14	49	

SE. QUADRANT

Star.	Mag.	L.S.T.		Az.
		h. m.	°	
θ Ceti ...	3.8	0 23	151	
γ Ceti ...	3.7	0 53	117	
δ Ceti ...	4.0	0 57	124	
α Ceti ...	2.8	1 10	115	
ε Eridani ...	3.8	2 42	157	
δ Eridani ...	3.7	2 55	158	
β Eridani ...	2.9	3 46	139	
δ Orionis ...	2.5	3 51	125	
η Orionis ...	3.4	3 52	131	
ε Orionis ...	1.7	3 58	127	
ζ Orionis ...	2.0	4 6	129	
β Orionis ...	0.3	4 12	150	
ι Orionis ...	2.9	4 18	141	
κ Orionis ...	2.2	4 57	157	
α Canis Minoris ...	0.5	5 43	111	
30 Monocerotis ...	4.0	6 57	134	
α Hydræ ...	2.2	8 25	150	
β Virginis ...	3.8	10 2	119	
η Virginis ...	4.0	10 39	125	
δ Virginis ...	3.7	11 2	115	
γ Virginis ...	3.0	11 3	127	
ζ Virginis ...	3.4	11 54	125	
μ Serpentis ...	3.6	14 18	133	
β Libræ ...	2.7	14 21	154	
λ Ophiuchi ...	3.9	14 42	119	
δ Ophiuchi ...	3.0	14 45	133	
ε Ophiuchi ...	3.3	14 53	136	
β Ophiuchi ...	2.9	15 49	113	
η Serpentis ...	3.4	16 50	132	
ν Ophiuchi ...	3.5	17 9	157	
δ Aquilæ ...	3.4	17 35	117	
λ Aquilæ ...	3.6	17 44	138	
θ Aquilæ ...	3.4	18 32	127	
ε Aquarii ...	3.8	19 57	157	
β Aquarii ...	3.1	20 13	141	
α Aquarii ...	3.2	20 27	126	
γ Aquarii ...	4.0	20 45	129	
γ Piscium ...	3.9	21 27	117	
λ Aquarii ...	3.8	21 48	149	
ι Ceti ...	3.8	23 26	156	

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Piscium... ..	3·9	0 59	243
ι Ceti	3·8	1 4	204
θ Ceti	3·8	2 17	209
δ Ceti	4·0	4 13	236
ε Eridani	3·8	4 16	203
δ Eridani	3·7	4 23	202
γ Ceti	3·7	4 25	243
α Ceti	2·8	4 46	245
β Orionis	0·3	6 10	210
β Eridani	2·9	6 22	221
κ Orionis	2·2	6 31	203
ι Orionis	2·9	6 44	219
η Orionis	3·4	6 49	229
δ Orionis	2·5	7 4	235
ε Orionis	1·7	7 6	233
ζ Orionis	2·0	7 8	231
α Orionis	1·2	7 47	253
α Canis Minoris	0·5	9 27	249
30 Monocerotis ...	4·0	9 47	226
α Hydræ	2·2	10 23	210
β Virginis... ..	3·8	13 30	241
η Virginis... ..	4·0	13 53	235
γ Virginis... ..	3·0	14 13	233
δ Virginis... ..	3·7	14 40	245
ζ Virginis... ..	3·4	15 8	235
β Libræ	2·7	16 5	206
μ Serpentis	3·6	17 11	227
ε Ophiuchi	3·3	17 35	224
δ Ophiuchi	3·0	17 35	227
λ Ophiuchi	3·9	18 12	241
ν Ophiuchi	3·5	18 41	203
β Ophiuchi	2·9	19 29	247
η Serpentis	3·4	19 45	228
λ Aquilæ	3·6	20 20	222
δ Aquilæ	3·4	21 7	243
ε Aquarii	3·8	21 29	203
θ Aquilæ	3·4	21 42	233
β Aquarii	3·1	22 41	219
α Aquarii	3·2	23 37	234
λ Aquarii	3·8	23 48	211
γ Aquarii	4·0	23 49	231

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η Pegasi	3·1	0 40	299
β Pegasi	2·5	1 4	294
α Andromedæ ...	2·2	2 6	296
μ Andromedæ ...	3·9	2 34	317
δ Andromedæ ...	3·5	2 36	300
β Andromedæ ...	2·4	2 56	311
γ Andromedæ ...	2·3	3 23	328
β Trianguli	3·1	3 57	309
β Persei	2·6	4 35	324
ε Persei	3·0	5 27	322
ζ Persei	2·9	5 48	303
η Aurigæ	3·3	6 31	325
ι Aurigæ	2·9	6 48	306
β Tauri	1·8	7 24	296
θ Aurigæ	2·7	7 39	315
α Geminorum ...	2·0	9 27	303
β Geminorum ...	1·2	9 43	295
40 Lyncis	3·3	11 8	310
μ Ursæ Majoris	3·2	11 42	328
δ Leonis	2·6	13 17	281
12 Canum Venat.	2·9	14 31	319
γ Boötis	3·0	16 9	319
ρ Boötis	3·8	16 28	301
β Boötis	3·6	16 31	324
ε Boötis	2·7	16 41	294
δ Boötis	3·5	17 7	307
η Herculis	3·6	18 18	320
ζ Herculis	3·0	18 36	303
ε Herculis	3·9	18 57	301
π Herculis	3·4	18 58	314
μ Herculis	3·5	19 47	295
α Lyræ	0·1	20 14	319
γ Lyræ	3·3	20 53	305
β Cygni	3·2	21 31	295
γ Cygni	2·3	21 53	322
ε Cygni	2·6	22 38	307
ζ Cygni	3·4	23 10	299

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Trianguli ...	3.1	0 16	49
γ Andromedæ ...	2.3	0 41	30
β Persei ...	2.6	1 37	34
ζ Persei ...	2.9	1 53	56
ε Persei ...	3.0	2 22	36
ι Aurigæ ...	2.9	2 59	52
β Tauri ...	1.8	3 20	62
η Aurigæ ...	3.3	3 38	32
θ Aurigæ ...	2.7	4 13	43
α Geminorum ...	2.0	5 34	55
β Geminorum ...	1.2	5 38	63
40 Lyncis ...	3.3	7 28	48
μ Ursæ Majoris	3.2	8 59	30
δ Leonis ...	2.6	9 4	77
12 Canum Venat.	2.9	11 18	39
ρ Boötis ...	3.8	12 31	57
ε Boötis ...	2.7	12 39	64
γ Boötis ...	3.0	12 54	39
δ Boötis ...	3.5	13 20	51
α Coronæ Boreal.	2.3	13 29	65
β Boötis ...	3.6	13 33	34
ζ Herculis ...	3.0	14 43	55
ε Herculis ...	3.9	15 0	57
η Herculis ...	3.6	15 7	38
π Herculis ...	3.4	15 30	44
μ Herculis ...	3.5	15 41	64
α Lyræ ...	0.1	16 59	39
γ Lyræ ...	3.3	17 2	53
β Cygni ...	3.2	17 25	64
γ Cygni ...	2.3	18 50	35
ε Cygni ...	2.6	18 51	51
ζ Cygni ...	3.4	19 10	59
η Pegasi ...	3.1	20 40	60
β Pegasi ...	2.5	20 58	64
α Andromedæ ...	2.2	22 4	62
δ Andromedæ ...	3.5	22 37	58
μ Andromedæ ...	3.9	23 15	41
β Andromedæ ...	2.4	23 18	47

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
θ Ceti ...	3.8	0 16	147
γ Ceti ...	3.7	0 51	115
δ Ceti ...	4.0	0 54	122
ζ Ceti ...	3.9	1 0	156
α Ceti ...	2.8	1 8	113
ε Eridani ...	3.8	2 33	152
δ Eridani ...	3.7	2 46	153
β Eridani ...	2.9	3 42	136
η Orionis ...	3.4	3 47	128
δ Orionis ...	2.5	3 49	123
ε Orionis ...	1.7	3 55	125
ζ Orionis ...	2.0	4 3	127
β Orionis ...	0.3	4 5	146
ι Orionis ...	2.9	4 13	138
κ Orionis ...	2.2	4 48	152
α Canis Minoris	0.5	5 42	109
30 Monocerotis ...	4.0	6 53	131
α Hydræ ...	2.2	8 18	146
β Virginis ...	3.8	10 0	117
η Virginis ...	4.0	10 36	123
γ Virginis ...	3.0	11 0	124
ζ Virginis ...	3.4	11 51	122
α Virginis ...	1.2	12 35	158
β Libræ ...	2.7	14 13	149
μ Serpentis ...	3.6	14 15	130
λ Ophiuchi ...	3.9	14 40	117
δ Ophiuchi ...	3.0	14 41	131
ε Ophiuchi ...	3.3	14 49	134
ζ Ophiuchi ...	2.7	15 43	155
η Serpentis ...	3.4	16 46	129
ν Ophiuchi ...	3.5	17 0	152
δ Aquilæ ...	3.4	17 33	115
λ Aquilæ ...	3.6	17 39	135
θ Aquilæ ...	3.4	18 29	124
ε Aquarii ...	3.8	19 48	152
β Aquarii ...	3.1	20 8	138
α Aquarii ...	3.2	20 24	124
γ Aquarii ...	4.0	20 42	127
γ Piscium ...	3.9	21 25	115
λ Aquarii ...	3.8	21 41	145
ι Ceti ...	3.8	23 17	150

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Piscium... ..	3·9	1 1	245
ι Ceti	3·8	1 13	210
θ Ceti	3·8	2 24	213
ζ Ceti	3·9	2 34	204
δ Ceti	4·0	4 16	238
ε Eridani	3·8	4 25	208
γ Ceti	3·7	4 27	245
δ Eridani	3·7	4 32	207
α Ceti	2·8	4 48	247
β Orionis	0·3	6 17	214
β Eridani	2·9	6 26	224
κ Orionis	2·2	6 40	208
ι Orionis	2·9	6 49	222
η Orionis	3·4	6 53	232
δ Orionis	2·5	7 7	237
ε Orionis	1·7	7 9	235
ζ Orionis	2·0	7 11	233
α Canis Minoris	0·5	9 28	251
30 Monocerotis ...	4·0	9 51	229
α Hydræ	2·2	10 30	214
β Virginis... ..	3·8	13 32	243
η Virginis... ..	4·0	13 56	237
α Virginis	1·2	14 7	203
γ Virginis... ..	3·0	14 16	236
ζ Virginis... ..	3·4	15 11	238
β Libræ	2·7	16 13	211
μ Serpentis	3·6	17 15	230
ζ Ophiuchi	2·7	17 23	205
δ Ophiuchi	3·0	17 39	229
ε Ophiuchi	3·3	17 39	226
λ Ophiuchi	3·9	18 14	243
ν Ophiuchi	3·5	18 50	208
η Serpentis	3·4	19 48	231
λ Aquilæ	3·6	20 25	225
δ Aquilæ	3·4	21 9	245
ε Aquarii	3·8	21 38	208
θ Aquilæ	3·4	21 45	236
β Aquarii	3·1	22 46	222
α Aquarii	3·2	23 40	236
γ Aquarii	4·0	23 52	233
λ Aquarii	3·8	23 55	215

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η Pegasi	3·1	0 38	300
β Pegasi	2·5	1 2	296
α Andromedæ ...	2·2	2 4	298
μ Andromedæ ...	3·9	2 29	319
δ Andromedæ ...	3·5	2 33	302
β Andromedæ ...	2·4	2 52	313
γ Andromedæ ...	2·3	3 17	330
β Trianguli	3·1	3 54	311
β Persei	2·6	4 29	326
ε Persei	3·0	5 22	324
ζ Persei	2·9	5 45	304
η Aurigæ	3·3	6 24	328
ι Aurigæ	2·9	6 45	308
β Tauri	1·8	7 22	298
θ Aurigæ	2·7	7 35	317
α Geminorum ...	2·0	9 24	305
β Geminorum ...	1·2	9 42	297
40 Lyncis... ..	3·3	11 4	312
μ Ursæ Majoris	3·2	11 35	330
δ Leonis	2·6	13 16	283
12 Canum Venat.	2·9	14 26	321
γ Boötis	3·0	16 4	321
β Boötis	3·6	16 25	326
ρ Boötis	3·8	16 25	303
ε Boötis	2·7	16 43	296
δ Boötis	3·5	17 4	309
α Coronæ Boreal.	2·3	17 33	295
η Herculis	3·6	18 13	322
ζ Herculis	3·0	18 33	305
π Herculis	3·4	18 54	316
ε Herculis	3·9	18 54	303
μ Herculis	3·5	19 45	296
α Lyræ	0·1	20 9	321
γ Lyræ	3·3	20 50	307
β Cygni	3·2	21 29	296
γ Cygni	2·3	21 48	325
ε Cygni	2·6	22 35	309
ζ Cygni	3·4	23 8	301

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Trianguli ...	3.1	0 20	47
γ Andromedæ ...	2.3	0 49	27
β Persei ...	2.6	1 44	31
ζ Persei ...	2.9	1 57	54
ε Persei ...	3.0	2 29	33
ι Aurigæ ...	2.9	3 3	50
β Tauri ...	1.8	3 23	60
η Aurigæ ...	3.3	3 45	29
θ Aurigæ ...	2.7	4 18	40
α Geminorum ...	2.0	5 38	53
β Geminorum ...	1.2	5 41	61
40 Lyncis ...	3.3	7 32	46
δ Leonis ...	2.6	9 5	76
μ Ursæ Majoris	3.2	9 7	27
12 Canum Venat.	2.9	11 23	36
ρ Boötis ...	3.8	12 34	55
ε Boötis ...	2.7	12 41	63
γ Boötis ...	3.0	13 0	36
δ Boötis ...	3.5	13 24	49
α Coronæ Boreal.	2.3	13 31	63
β Boötis ...	3.6	13 40	31
ζ Herculis ...	3.0	14 46	53
ε Herculis ...	3.9	15 3	55
η Herculis ...	3.6	15 13	35
π Herculis ...	3.4	15 35	41
μ Herculis ...	3.5	15 44	62
α Lyræ ...	0.1	17 5	36
γ Lyræ ...	3.3	17 6	51
β Cygni ...	3.2	17 28	62
ε Cygni ...	2.6	18 55	49
γ Cygni ...	2.3	18 56	33
ζ Cygni ...	3.4	19 13	57
η Pegasi ...	3.1	20 43	58
β Pegasi ...	2.5	21 1	62
α Andromedæ ...	2.2	22 6	60
δ Andromedæ ...	3.5	22 40	56
μ Andromedæ ...	3.9	23 20	38
β Andromedæ ...	2.4	23 22	45

SE. QUADRANT.

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Ceti ...	3.8	0 10	144
ζ Ceti ...	3.9	0 52	152
δ Ceti ...	4.0	0 52	120
α Ceti ...	2.8	1 7	111
ε Eridani ...	3.8	2 26	148
δ Eridani ...	3.7	2 39	149
β Eridani ...	2.9	3 38	133
η Orionis ...	3.4	3 44	126
δ Orionis ...	2.5	3 46	121
ε Orionis ...	1.7	3 52	123
β Orionis ...	0.3	4 0	143
ζ Orionis ...	2.0	4 0	125
ι Orionis ...	2.9	4 8	135
κ Orionis ...	2.2	4 41	148
α Canis Minoris	0.5	5 40	107
30 Monocerotis ...	4.0	6 50	129
α Hydræ ...	2.2	8 13	143
β Virginis...	3.8	9 58	115
η Virginis...	4.0	10 33	120
γ Virginis...	3.0	10 57	122
ζ Virginis...	3.4	11 48	120
α Virginis...	1.2	12 26	152
β Libræ ...	2.7	14 6	145
μ Serpentis ...	3.6	14 11	128
δ Ophiuchi ...	3.0	14 37	128
λ Ophiuchi ...	3.9	14 38	114
ε Ophiuchi ...	3.3	14 45	131
ζ Ophiuchi ...	2.7	15 35	150
η Serpentis ...	3.4	16 42	127
ν Ophiuchi ...	3.5	16 53	148
λ Aquilæ ...	3.6	17 35	133
θ Aquilæ ...	3.4	18 26	122
ε Aquarii ...	3.8	19 41	148
β Aquarii ...	3.1	20 4	135
α Aquarii ...	3.2	20 21	121
γ Aquarii ...	4.0	20 39	124
λ Aquarii ...	3.8	21 35	142
ι Ceti ...	3.8	23 9	146

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
λ Aquarii ...	3·8	0 1	218
ι Ceti ...	3·8	1 21	214
θ Ceti ...	3·8	2 30	216
ζ Ceti ...	3·9	2 42	208
δ Ceti ...	4·0	4 18	240
ε Eridani ...	3·8	4 32	212
δ Eridani ...	3·7	4 39	211
α Ceti ...	2·8	4 49	249
β Orionis ...	0·3	6 22	217
β Eridani ...	2·9	6 30	227
κ Orionis ...	2·2	6 47	212
ι Orionis ...	2·9	6 54	225
η Orionis ...	3·4	6 56	234
δ Orionis ...	2·5	7 10	239
ε Orionis ...	1·7	7 12	237
ζ Orionis ...	2·0	7 14	235
α Canis Minoris	0·5	9 30	253
30 Monocerotis ...	4·0	9 54	231
α Hydræ ...	2·2	10 35	217
β Virginis ...	3·8	13 34	245
η Virginis ...	4·0	13 59	240
α Virginis ...	1·2	14 16	208
γ Virginis ...	3·0	14 19	238
ζ Virginis ...	3·4	15 14	240
β Libræ ...	2·7	16 20	215
μ Serpentis ...	3·6	17 19	232
ζ Ophiuchi ...	2·7	17 31	210
δ Ophiuchi ...	3·0	17 43	232
ε Ophiuchi ...	3·3	17 43	229
λ Ophiuchi ...	3·9	18 16	246
ν Ophiuchi ...	3·5	18 57	212
η Serpentis ...	3·4	19 51	233
λ Aquilæ ...	3·6	20 29	227
ε Aquarii ...	3·8	21 45	212
θ Aquilæ ...	3·4	21 48	238
β Aquarii ...	3·1	22 50	225
α Aquarii ...	3·2	23 43	239
γ Aquarii ...	4·0	23 55	236

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
η Pegasi ...	3·1	0 35	302
β Pegasi ...	2·5	0 59	298
α Andromedæ ...	2·2	2 2	300
μ Andromedæ ...	3·9	2 24	322
δ Andromedæ ...	3·5	2 30	304
β Andromedæ ...	2·4	2 48	315
γ Andromedæ ...	2·3	3 9	333
β Trianguli ...	3·1	3 50	313
β Persei ...	2·6	4 22	329
ε Persei ...	3·0	5 15	327
ζ Persei ...	2·9	5 41	306
η Aurigæ ...	3·3	6 17	331
ι Aurigæ ...	2·9	6 41	310
β Tauri ...	1·8	7 19	300
θ Aurigæ ...	2·7	7 30	320
α Geminorum ...	2·0	9 20	307
β Geminorum ...	1·2	9 39	299
40 Lynx ...	3·3	11 0	314
μ Ursæ Majoris	3·2	11 27	333
δ Leonis ...	2·6	13 15	284
12 Canum Venat.	2·9	14 21	324
γ Boötis ...	3·0	15 58	324
β Boötis ...	3·6	16 18	329
ρ Boötis ...	3·8	16 22	305
ε Boötis ...	2·7	16 41	297
δ Boötis ...	3·5	17 0	311
α Coronæ Boreal.	2·3	17 31	297
η Herculis ...	3·6	18 7	325
ζ Herculis ...	3·0	18 30	307
π Herculis ...	3·4	18 49	319
ε Herculis ...	3·9	18 51	305
μ Herculis ...	3·5	19 42	298
α Lyræ ...	0·1	20 3	324
γ Lyræ ...	3·3	20 46	309
β Cygni ...	3·2	21 26	298
γ Cygni ...	2·3	21 42	327
ε Cygni ...	2·6	22 31	311
ζ Cygni ...	3·4	23 5	303

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Trianguli ...	3.1	0 23	45
γ Andromedæ ...	2.3	0 57	23
β Persei ...	2.6	1 51	28
ζ Persei ...	2.9	2 0	52
ε Persei ...	3.0	2 35	30
ι Aurigæ ...	2.9	3 6	48
β Tauri ...	1.8	3 25	59
η Aurigæ ...	3.3	3 52	26
θ Aurigæ ...	2.7	4 23	38
ε Geminorum ...	3.2	4 38	65
α Geminorum ...	2.0	5 41	51
β Geminorum ...	1.2	5 43	59
40 Lynceis ...	3.3	7 35	44
ε Leonis ...	3.1	7 39	68
δ Leonis ...	2.6	9 6	74
μ Ursæ Majoris	3.2	9 15	23
12 Canum Venat.	2.9	11 29	34
ρ Boötis ...	3.8	12 37	54
ε Boötis ...	2.7	12 43	61
γ Boötis ...	3.0	13 6	34
δ Boötis ...	3.5	13 28	47
α Coronæ Boreal.	2.3	13 33	62
β Boötis ...	3.6	13 48	28
ζ Herculis ...	3.0	14 49	51
ε Herculis ...	3.9	15 6	53
δ Herculis ...	3.2	15 11	66
η Herculis ...	3.6	15 19	33
π Herculis ...	3.4	15 40	39
μ Herculis ...	3.5	15 46	60
γ Lyræ ...	3.3	17 9	49
α Lyræ ...	0.1	17 11	34
β Cygni ...	3.2	17 30	60
ε Cygni ...	2.6	18 59	47
γ Cygni ...	2.3	19 3	30
ζ Cygni ...	3.4	19 16	56
ι Pegasi ...	4.0	20 2	66
η Pegasi ...	3.1	20 46	56
β Pegasi ...	2.5	21 3	60
α Andromedæ ...	2.2	22 8	58
δ Andromedæ ...	3.5	22 43	54
β Andromedæ ...	2.4	23 26	43
μ Andromedæ ...	3.9	23 26	36

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Ceti ...	3.8	0 5	141
ζ Ceti ...	3.9	0 44	148
δ Ceti ...	4.0	0 49	118
α Ceti ...	2.8	1 5	109
ε Eridani ...	3.8	2 20	144
δ Eridani ...	3.7	2 32	145
β Eridani ...	2.9	3 34	131
η Orionis ...	3.4	3 41	124
δ Orionis ...	2.5	3 44	119
ε Orionis ...	1.7	3 50	120
β Orionis ...	0.3	3 55	140
ζ Orionis ...	2.0	3 57	122
ι Orionis ...	2.9	4 4	132
κ Orionis ...	2.2	4 35	144
α Canis Minoris	0.5	5 39	106
30 Monocerotis ...	4.0	6 46	126
α Hydræ ...	2.2	8 8	140
β Virginis ...	3.8	9 56	113
η Virginis ...	4.0	10 31	118
γ Virginis ...	3.0	10 55	120
ζ Virginis ...	3.4	11 46	118
α Virginis ...	1.2	12 18	148
β Libræ ...	2.7	14 1	142
μ Serpentis ...	3.6	14 8	125
δ Ophiuchi ...	3.0	14 34	126
ε Ophiuchi ...	3.3	14 42	129
ζ Ophiuchi ...	2.7	15 28	147
η Serpentis ...	3.4	16 39	125
ν Ophiuchi ...	3.5	16 46	144
λ Aquilæ ...	3.6	17 31	130
θ Aquilæ ...	3.4	18 24	120
α ² Capricorni ...	3.8	19 28	157
ε Aquarii ...	3.8	19 35	145
β Aquarii ...	3.1	20 0	133
α Aquarii ...	3.2	20 19	119
γ Aquarii ...	4.0	20 36	122
λ Aquarii ...	3.8	21 30	139
ι Ceti ...	3.8	23 3	143

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
λ Aquarii ...	3.8	0 6	221
ι Ceti ...	3.8	1 27	217
θ Ceti ...	3.8	2 35	219
ζ Ceti ...	3.9	2 50	212
δ Ceti ...	4.0	4 21	242
ε Eridani ...	3.8	4 38	216
δ Eridani ...	3.7	4 46	215
α Ceti ...	2.8	4 51	251
β Orionis ...	0.3	6 27	220
β Eridani ...	2.9	6 34	229
κ Orionis ...	2.2	6 53	216
ι Orionis ...	2.9	6 58	227
η Orionis ...	3.4	6 59	236
δ Orionis ...	2.5	7 12	241
ε Orionis ...	1.7	7 14	240
ζ Orionis ...	2.0	7 17	238
α Canis Minoris	0.5	9 31	254
30 Monocerotis ...	4.0	9 58	234
α Hydræ ...	2.2	10 40	220
β Virginis ...	3.8	13 36	247
η Virginis ...	4.0	14 1	242
γ Virginis ...	3.0	14 21	240
α Virginis ...	1.2	14 24	212
ζ Virginis ...	3.4	15 16	242
β Libræ ...	2.7	16 26	218
μ Serpentis ...	3.6	17 22	235
ζ Ophiuchi ...	2.7	17 38	213
δ Ophiuchi ...	3.0	17 46	234
ε Ophiuchi ...	3.3	17 46	231
ν Ophiuchi ...	3.5	19 4	216
η Serpentis ...	3.4	19 54	235
λ Aquilæ ...	3.6	20 33	230
α ² Capricorni ...	3.8	21 0	203
θ Aquilæ ...	3.4	21 50	240
ε Aquarii ...	3.8	21 51	215
β Aquarii ...	3.1	22 54	227
α Aquarii ...	3.2	23 45	241
γ Aquarii ...	4.0	23 58	238

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ι Pegasi ...	4.0	0 4	294
η Pegasi ...	3.1	0 32	304
β Pegasi ...	2.5	0 57	300
α Andromedæ ...	2.2	2 0	302
μ Andromedæ ...	3.9	2 18	324
δ Andromedæ ...	3.5	2 27	306
β Andromedæ ...	2.4	2 44	317
γ Andromedæ ...	2.3	3 1	337
β Trianguli ...	3.1	3 47	315
β Persei ...	2.6	4 15	332
ε Persei ...	3.0	5 9	330
ζ Persei ...	2.9	5 38	308
η Aurigæ ...	3.3	6 10	334
ι Aurigæ ...	2.9	6 38	312
β Tauri ...	1.8	7 17	301
θ Aurigæ ...	2.7	7 25	322
ε Geminorum ...	3.2	8 40	295
α Geminorum ...	2.0	9 17	309
β Geminorum ...	1.2	9 37	301
40 Lyncis ...	3.3	10 57	316
μ Ursæ Majoris	3.2	11 19	337
ε Leonis ...	3.1	11 43	292
δ Leonis ...	2.6	13 14	286
12 Canum Venat.	2.9	14 15	326
γ Boötis ...	3.0	15 52	326
β Boötis ...	3.6	16 10	332
ρ Boötis ...	3.8	16 19	306
ε Boötis ...	2.7	16 39	299
δ Boötis ...	3.5	16 56	313
α Coronæ Boreal.	2.3	17 29	298
η Herculis ...	3.6	18 1	327
ζ Herculis ...	3.0	18 27	309
π Herculis ...	3.4	18 44	321
ε Herculis ...	3.9	18 48	307
δ Herculis ...	3.2	19 13	294
μ Herculis ...	3.5	19 40	300
α Lyrae ...	0.1	19 57	326
γ Lyrae ...	3.3	20 43	311
β Cygni ...	3.2	21 24	300
γ Cygni ...	2.3	21 35	330
ε Cygni ...	2.6	22 27	313
ζ Cygni ...	3.4	23 2	304

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Trianguli ...	3·1	0 28	43
β Persei ...	2·6	1 59	25
ζ Persei ...	2·9	2 3	50
ε Persei ...	3·0	2 43	27
ι Aurigæ ...	2·9	3 10	46
β Tauri ...	1·8	3 28	57
θ Aurigæ ...	2·7	4 29	35
ε Geminorum ...	3·2	4 40	64
α Geminorum ...	2·0	5 45	48
β Geminorum ...	1·2	5 46	57
40 λ Lyncis ...	3·3	7 40	42
ε Leonis ...	3·1	7 42	66
δ Leonis ...	2·6	9 8	72
12 Canum Venat.	2·9	11 36	31
ρ Boötis ...	3·8	12 40	52
ε Boötis ...	2·7	12 46	59
γ Boötis ...	3·0	13 12	31
δ Boötis ...	3·5	13 32	45
α Coronæ Boreal.	2·3	13 35	60
β Boötis ...	3·6	13 57	24
ζ Herculis ...	3·0	14 52	49
ε Herculis ...	3·9	15 9	51
δ Herculis ...	3·2	15 13	64
η Herculis ...	3·6	15 26	30
π Herculis ...	3·4	15 46	36
μ Herculis ...	3·5	15 49	58
γ Lyræ ...	3·3	17 13	47
α Lyræ ...	0·1	17 17	31
β Cygni ...	3·2	17 33	58
ε Cygni ...	2·6	19 3	45
γ Cygni ...	2·3	19 11	26
ζ Cygni ...	3·4	19 19	54
ι Pegasi ...	4·0	20 4	64
μ Pegasi ...	3·7	20 47	66
η Pegasi ...	3·1	20 49	54
β Pegasi ...	2·5	21 5	59
α Andromedæ ...	2·2	22 11	56
δ Andromedæ ...	3·5	22 46	52
β Andromedæ ...	2·4	23 31	41
μ Andromedæ ...	3·9	23 32	33

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Ceti ...	3·8	0 0	137
ζ Ceti ...	3·9	0 38	144
δ Ceti ...	4·0	0 47	116
α Ceti ...	2·8	1 4	107
ε Eridani ...	3·8	2 14	141
δ Eridani ...	3·7	2 26	142
γ Eridani ...	3·2	3 8	157
β Eridani ...	2·9	3 31	128
η Orionis ...	3·4	3 38	121
δ Orionis ...	2·5	3 42	116
ε Orionis ...	1·7	3 47	118
β Orionis ...	0·3	3 50	137
ζ Orionis ...	2·0	3 54	120
ι Orionis ...	2·9	4 0	130
κ Orionis ...	2·2	4 30	141
α Canis Minoris	0·5	5 38	104
30 Monocerotis ...	4·0	6 44	124
α Hydræ ...	2·2	8 3	137
β Virginis ...	3·8	9 54	111
η Virginis ...	4·0	10 29	116
γ Virginis ...	3·0	10 53	118
ζ Virginis ...	3·4	11 44	116
α Virginis ...	1·2	12 12	144
β Libræ ...	2·7	13 56	139
μ Serpentis ...	3·6	14 5	123
δ Ophiuchi ...	3·0	14 31	124
ε Ophiuchi ...	3·3	14 38	126
ζ Ophiuchi ...	2·7	15 22	143
η Serpentis ...	3·4	16 36	122
ν Ophiuchi ...	3·5	16 41	141
λ Aquilæ ...	3·6	17 28	128
θ Aquilæ ...	3·4	18 22	118
α ² Capricorni ...	3·8	19 19	152
ε Aquarii ...	3·8	19 29	142
β Aquarii ...	3·1	19 56	130
α Aquarii ...	3·2	20 16	117
γ Aquarii ...	4·0	20 34	120
λ Aquarii ...	3·8	21 25	136
ι Ceti ...	3·8	22 58	140

SW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
γ Aquarii ...	4.0	0 0	240
λ Aquarii ...	3.8	0 11	224
ι Ceti ...	3.8	1 32	220
θ Ceti ...	3.8	2 40	223
ζ Ceti ...	3.9	2 56	216
δ Ceti ...	4.0	4 23	244
γ Eridani ...	3.2	4 40	203
ε Eridani ...	3.8	4 44	219
δ Eridani ...	3.7	4 52	218
β Orionis ...	0.3	6 32	223
β Eridani ...	2.9	6 37	232
κ Orionis ...	2.2	6 59	219
η Orionis ...	3.4	7 2	239
ι Orionis ...	2.9	7 2	230
δ Orionis ...	2.5	7 14	244
ε Orionis ...	1.7	7 17	242
ζ Orionis ...	2.0	7 20	240
α Canis Minoris	0.5	9 32	256
30 Monocerotis ...	4.0	10 0	236
α Hydræ ...	2.2	10 45	223
β Virginis ...	3.8	13 38	249
η Virginis ...	4.0	14 3	244
γ Virginis ...	3.0	14 23	242
α Virginis ...	1.2	14 30	216
ζ Virginis ...	3.4	15 18	244
β Libræ ...	2.7	16 30	221
μ Serpentis ...	3.6	17 25	237
ζ Ophiuchi ...	2.7	17 44	217
δ Ophiuchi ...	3.0	17 49	236
ε Ophiuchi ...	3.3	17 50	234
ν Ophiuchi ...	3.5	19 9	219
η Serpentis ...	3.4	19 58	238
λ Aquilæ ...	3.6	20 36	232
α ² Capricorni ...	3.8	21 9	208
θ Aquilæ ...	3.4	21 52	242
ε Aquarii ...	3.8	21 57	218
β Aquarii ...	3.1	22 58	230
α Aquarii ...	3.2	23 48	243

NW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
ι Pegasi ...	4.0	0 2	296
η Pegasi ...	3.1	0 29	306
μ Pegasi ...	3.7	0 45	294
β Pegasi ...	2.5	0 55	301
α Andromedæ ...	2.2	1 57	304
μ Andromedæ ...	3.9	2 12	327
δ Andromedæ ...	3.5	2 24	308
β Andromedæ ...	2.4	2 39	319
β Trainguli ...	3.1	3 42	317
β Persei ...	2.6	4 7	335
ε Persei ...	3.0	5 1	333
ζ Persei ...	2.9	5 35	310
ι Aurigæ ...	2.9	6 34	314
β Tauri ...	1.8	7 14	303
θ Aurigæ ...	2.7	7 19	325
ε Geminorum ...	3.2	8 38	296
α Geminorum ...	2.0	9 13	312
β Geminorum ...	1.2	9 34	303
40 Lyncis ...	3.3	10 52	318
ε Leonis ...	3.1	11 41	294
δ Leonis ...	2.6	13 12	288
12 Canum Venat.	2.9	14 8	329
γ Boötis ...	3.0	15 46	329
β Boötis ...	3.6	16 1	336
ρ Boötis ...	3.8	16 16	308
ε Boötis ...	2.7	16 36	301
δ Boötis ...	3.5	16 52	315
α Coronæ Boreal.	2.3	17 27	300
η Herculis ...	3.6	17 54	330
ζ Herculis ...	3.0	18 24	311
π Herculis ...	3.4	18 38	324
ε Herculis ...	3.9	18 45	309
δ Herculis ...	3.2	19 11	296
μ Herculis ...	3.5	19 37	302
α Lyræ ...	0.1	19 51	329
γ Lyræ ...	3.3	20 39	313
β Cygni ...	3.2	21 21	302
γ Cygni ...	2.3	21 27	333
ε Cygni ...	2.6	22 23	315
ζ Cygni ...	3.4	22 59	306

NE. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
α Arietis ...	2.2	0 4	66	
β Trianguli ...	3.1	0 33	40	
17 Tauri ...	3.8	1 42	65	
η Tauri ...	3.0	1 45	65	
ζ Persei ...	2.9	2 7	47	
ι Aurigæ ...	2.9	3 14	44	
β Tauri ...	1.8	3 30	55	
θ Aurigæ ...	2.7	4 35	33	
ϵ Geminorum ...	3.2	4 42	62	
α Geminorum ...	2.0	5 48	46	
β Geminorum ...	1.2	5 49	55	
ϵ Leonis ...	3.1	7 43	64	
40 Lyncis ...	3.3	7 45	39	
δ Leonis ...	2.6	9 9	70	
12 Canum Venat. ...	2.9	11 43	28	
ρ Boötis ...	3.8	12 43	49	
ϵ Boötis ...	2.7	12 49	57	
γ Boötis ...	3.0	13 19	28	
δ Boötis ...	3.5	13 36	43	
α Coronæ Boreal. ...	2.3	13 38	58	
ζ Herculis ...	3.0	14 56	47	
ϵ Herculis ...	3.9	15 13	48	
δ Herculis ...	3.2	15 15	62	
η Herculis ...	3.6	15 33	27	
μ Herculis ...	3.5	15 51	56	
π Herculis ...	3.4	15 52	33	
γ Lyræ ...	3.3	17 17	45	
α Lyræ ...	0.1	17 24	28	
β Cygni ...	3.2	17 35	56	
ϵ Cygni ...	2.6	19 7	43	
ζ Cygni ...	3.4	19 22	52	
ι Pegasi ...	4.0	20 6	62	
μ Pegasi ...	3.7	20 48	64	
η Pegasi ...	3.1	20 52	52	
β Pegasi ...	2.5	21 8	57	
α Andromedæ ...	2.2	22 14	55	
δ Andromedæ ...	3.5	22 49	50	
β Andromedæ ...	2.4	23 36	38	
μ Andromedæ ...	3.9	23 38	30	

SE. QUADRANT

Star.	Mag.	L. S.T.		Az.
		h. m.	°	
ζ Ceti ...	3.9	0 33	141	
δ Ceti ...	4.0	0 45	114	
α Ceti ...	2.8	1 3	106	
ϵ Eridani ...	3.8	2 10	138	
δ Eridani ...	3.7	2 21	139	
γ Eridani ...	3.2	3 0	153	
β Eridani ...	2.9	3 28	126	
53 Eridani ...	4.0	3 45	156	
η Orionis ...	3.4	3 36	119	
δ Orionis ...	2.5	3 40	114	
β Orionis ...	0.3	3 45	134	
ϵ Orionis ...	1.7	3 45	116	
ζ Orionis ...	2.0	3 52	118	
ι Orionis ...	2.9	3 57	128	
κ Orionis ...	2.2	4 25	138	
α Canis Minoris ...	0.5	5 37	102	
30 Monocerotis ...	4.0	6 41	122	
α Hydræ ...	2.2	7 58	134	
β Virginis ...	3.8	9 53	109	
δ Crateris ...	3.8	10 24	155	
η Virginis ...	4.0	10 27	114	
γ Virginis ...	3.0	10 51	116	
ζ Virginis ...	3.4	11 42	114	
α Virginis ...	1.2	12 6	141	
β Libræ ...	2.7	13 51	136	
μ Serpentis ...	3.6	14 3	121	
δ Ophiuchi ...	3.0	14 28	121	
ϵ Ophiuchi ...	3.3	14 35	124	
ζ Ophiuchi ...	2.7	15 17	140	
η Serpentis ...	3.4	16 34	120	
ν Ophiuchi ...	3.5	16 36	138	
λ Aquilæ ...	3.6	17 25	125	
θ Aquilæ ...	3.4	18 20	116	
α^2 Capricorni ...	3.8	19 12	149	
ϵ Aquarii ...	3.8	19 24	139	
β Capricorni ...	3.3	19 32	159	
β Aquarii ...	3.1	19 53	127	
α Aquarii ...	3.2	20 14	115	
γ Aquarii ...	4.0	20 31	118	
λ Aquarii ...	3.8	21 21	133	
ι Ceti ...	3.8	22 54	137	
θ Ceti ...	3.8	23 56	135	

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Aquarii ...	4.0	0 3	242
λ Aquarii ...	3.8	0 15	227
ι Ceti ...	3.8	1 36	223
θ Ceti ...	3.8	2 44	225
ζ Ceti ...	3.9	3 2	219
δ Ceti ...	4.0	4 25	246
γ Eridani ...	3.2	4 48	207
ε Eridani ...	3.8	4 48	222
δ Eridani ...	3.7	4 57	221
53 Eridani ...	4.0	5 23	204
β Orionis ...	0.3	6 36	226
β Eridani ...	2.9	6 40	234
κ Orionis ...	2.2	7 3	222
η Orionis ...	3.4	7 4	241
ι Orionis ...	2.9	7 5	232
δ Orionis ...	2.5	7 16	246
ε Orionis ...	1.7	7 19	244
ζ Orionis ...	2.0	7 22	242
α Canis Minoris	0.5	9 33	258
30 Monocerotis ...	4.0	10 3	238
α Hydræ ...	2.2	10 49	226
δ Crateris ...	3.8	12 6	205
β Virginis ...	3.8	13 39	251
η Virginis ...	4.0	14 5	246
γ Virginis ...	3.0	14 25	244
α Virginis ...	1.2	14 36	219
ζ Virginis ...	3.4	15 20	246
β Libræ ...	2.7	16 35	224
μ Serpentis ...	3.6	17 27	239
ζ Ophiuchi ...	2.7	17 49	220
δ Ophiuchi ...	3.0	17 52	239
ε Ophiuchi ...	3.3	17 53	236
ν Ophiuchi ...	3.5	19 14	222
η Serpentis ...	3.4	20 0	240
λ Aquilæ ...	3.6	20 39	235
β Capricorni ...	3.3	21 0	201
α ² Capricorni ...	3.8	21 16	211
θ Aquilæ ...	3.4	21 54	244
ε Aquarii ...	3.8	22 2	221
β Aquarii ...	3.1	23 1	233
α Aquarii ...	3.2	23 50	245

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ι Pegasi ...	4.0	0 0	298
η Pegasi ...	3.1	0 26	308
μ Pegasi ...	3.7	0 44	296
β Pegasi ...	2.5	0 52	303
α Andromedæ ...	2.2	1 54	305
μ Andromedæ ...	3.9	2 6	330
δ Andromedæ ...	3.5	2 21	310
β Andromedæ ...	2.4	2 34	322
β Trianguli ...	3.1	3 37	320
α Arietis ...	2.2	4 2	294
ζ Persei ...	2.9	5 31	313
17 Tauri ...	3.8	5 38	295
η Tauri ...	3.0	5 41	295
ι Aurigæ ...	2.9	6 30	316
β Tauri ...	1.8	7 12	305
θ Aurigæ ...	2.7	7 13	327
ε Geminorum ...	3.2	8 36	298
α Geminorum ...	2.0	9 10	314
β Geminorum ...	1.2	9 31	305
40 Lyncis ...	3.3	10 47	321
ε Leonis ...	3.1	11 39	296
δ Leonis ...	2.6	13 11	290
12 Canum Venat.	2.9	14 1	332
γ Boötis ...	3.0	15 39	332
ρ Boötis ...	3.8	16 13	311
ε Boötis ...	2.7	16 33	303
δ Boötis ...	3.5	16 48	317
α Coronæ Boreal.	2.3	17 24	302
η Herculis ...	3.6	17 47	333
ζ Herculis ...	3.0	18 20	313
π Herculis ...	3.4	18 32	327
ε Herculis ...	3.9	18 41	312
δ Herculis ...	3.2	19 9	298
μ Herculis ...	3.5	19 35	304
α Lyræ ...	0.1	19 44	332
γ Lyræ ...	3.3	20 35	315
β Cygni ...	3.2	21 19	304
ε Cygni ...	2.6	22 19	317
ζ Cygni ...	3.4	22 56	308

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Arietis ...	2.2	0 6	64
β Trianguli ...	3.1	0 38	38
γ Tauri ...	3.8	1 44	63
η Tauri ...	3.0	1 47	63
ζ Persei ...	2.9	2 10	45
ι Aurigæ ...	2.9	3 19	42
β Tauri ...	1.8	3 33	53
μ Geminorum ...	3.2	4 20	65
θ Aurigæ ...	2.7	4 42	30
ϵ Geminorum ...	3.2	4 45	60
δ Geminorum ...	3.5	5 17	66
α Geminorum ...	2.0	5 52	44
β Geminorum ...	1.2	5 52	54
ϵ Leonis ...	3.1	7 45	62
γ Lynceis ...	3.3	7 50	37
δ Leonis ...	2.6	9 11	69
η Boötis ...	2.8	11 50	73
ι Canum Venat. ...	2.9	11 52	24
ρ Boötis ...	3.8	12 46	47
ϵ Boötis ...	2.7	12 51	55
γ Boötis ...	3.0	13 27	25
δ Boötis ...	3.5	13 40	40
α Coronæ Boreal. ...	2.3	13 40	56
ζ Herculis ...	3.0	15 0	45
ϵ Herculis ...	3.9	15 16	46
δ Herculis ...	3.2	15 17	61
η Herculis ...	3.6	15 42	23
μ Herculis ...	3.5	15 54	54
π Herculis ...	3.4	15 58	30
γ Lyræ ...	3.3	17 21	43
α Lyræ ...	0.1	17 32	25
β Cygni ...	3.2	17 38	54
ϵ Cygni ...	2.6	19 11	40
ζ Cygni ...	3.4	19 25	49
ι Pegasi ...	4.0	20 8	61
μ Pegasi ...	3.7	20 50	62
η Pegasi ...	3.1	20 55	50
β Pegasi ...	2.5	21 10	55
α Andromedæ ...	2.2	22 17	53
δ Andromedæ ...	3.5	22 52	48
β Andromedæ ...	2.4	23 41	36
μ Andromedæ ...	3.9	23 46	27

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 28	138
α Ceti ...	2.8	1 2	105
ϵ Eridani ...	3.8	2 6	135
δ Eridani ...	3.7	2 17	136
γ Eridani ...	3.2	2 52	149
β Eridani ...	2.9	3 25	124
γ Eridani ...	4.0	3 37	152
η Orionis ...	3.4	3 34	117
β Orionis ...	0.3	3 42	131
ϵ Orionis ...	1.7	3 43	114
ζ Orionis ...	2.0	3 50	116
ι Orionis ...	2.9	3 54	125
κ Orionis ...	2.2	4 21	135
α Canis Minoris ...	0.5	5 37	100
γ Monocerotis ...	4.0	6 39	120
α Hydræ ...	2.2	7 55	131
ν Hydræ ...	3.3	10 1	158
δ Crateris ...	3.8	10 16	150
γ Virginis ...	3.0	10 48	114
δ Corvi ...	3.1	11 41	158
α Virginis ...	1.2	12 2	138
β Libræ ...	2.7	13 47	134
α Libræ ...	2.9	13 58	156
μ Serpentis ...	3.6	14 0	119
δ Ophiuchi ...	3.0	14 26	119
ϵ Ophiuchi ...	3.3	14 32	122
ζ Ophiuchi ...	2.7	15 13	137
η Ophiuchi ...	2.6	16 17	156
ν Ophiuchi ...	3.5	16 32	136
η Serpentis ...	3.4	16 32	118
λ Aquilæ ...	3.6	17 22	123
θ Aquilæ ...	3.4	18 18	114
α^2 Capricorni ...	3.8	19 5	145
ϵ Aquarii ...	3.8	19 20	136
β Capricorni ...	3.3	19 22	153
β Aquarii ...	3.1	19 50	125
γ Aquarii ...	4.0	20 29	116
λ Aquarii ...	3.8	21 18	131
ι Ceti ...	3.8	22 50	134
θ Ceti ...	3.8	23 52	132

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Aquarii ...	4.0	0 5	244
λ Aquarii ...	3.8	0 18	229
ι Ceti ...	3.8	1 40	226
θ Ceti ...	3.8	2 48	228
ζ Ceti ...	3.9	3 7	222
ε Eridani ...	3.8	4 52	225
γ Eridani ...	3.2	4 56	211
δ Eridani ...	3.7	5 2	224
53 Eridani ...	4.0	5 31	208
β Orionis ...	0.3	6 40	229
β Eridani ...	2.9	6 43	236
η Orionis ...	3.4	7 6	243
ι Orionis ...	2.9	7 8	235
κ Orionis ...	2.2	7 8	225
ε Orionis ...	1.7	7 21	246
ζ Orionis ...	2.0	7 24	244
α Canis Minoris	0.5	9 33	260
30 Monocerotis ...	4.0	10 5	240
α Hydræ ...	2.2	10 53	229
ν Hydræ ...	3.3	11 31	202
δ Crateris ...	3.8	12 14	210
δ Corvi ...	3.1	13 11	202
γ Virginis ...	3.0	14 28	246
α Virginis ...	1.2	14 41	222
α Libræ ...	2.9	15 34	204
β Libræ ...	2.7	16 39	226
μ Serpentis ...	3.6	17 30	241
δ Ophiuchi ...	3.0	17 54	241
ζ Ophiuchi ...	2.7	17 54	223
η Ophiuchi ...	2.6	17 55	204
ε Ophiuchi ...	3.3	17 56	238
ν Ophiuchi ...	3.5	19 18	224
η Serpentis ...	3.4	20 2	242
λ Aquilæ ...	3.6	20 42	237
β Capricorni ...	3.3	21 9	206
α ² Capricorni ...	3.8	21 23	215
θ Aquilæ ...	3.4	21 56	246
ε Aquarii ...	3.8	22 6	224
β Aquarii ...	3.1	23 4	235

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η Pegasi ...	3.1	0 23	310
μ Pegasi ...	3.7	0 42	298
β Pegasi ...	2.5	0 50	305
α Andromedæ ...	2.2	1 51	307
μ Andromedæ ...	3.9	1 58	333
δ Andromedæ ...	3.5	2 18	312
β Andromedæ ...	2.4	2 29	324
β Trianguli ...	3.1	3 32	322
α Arietis ...	2.2	4 0	296
ζ Persei ...	2.9	5 28	315
17 Tauri ...	3.8	5 36	297
η Tauri ...	3.0	5 39	297
ι Aurigæ ...	2.9	6 25	318
θ Aurigæ ...	2.7	7 6	330
β Tauri ...	1.8	7 9	307
μ Geminorum ...	3.2	8 16	295
ε Geminorum ...	3.2	8 33	300
α Geminorum ...	2.0	9 6	316
β Geminorum ...	1.2	9 28	306
40 Lyncis ...	3.3	10 42	323
ε Leonis ...	3.1	11 37	298
δ Leonis ...	2.6	13 9	291
12 Canum Venat.	2.9	13 52	336
γ Boötis ...	3.0	15 31	335
ρ Boötis ...	3.8	16 10	313
ε Boötis ...	2.7	16 31	305
δ Boötis ...	3.5	16 44	320
α Coronæ Boreal.	2.3	17 22	304
η Herculis ...	3.6	17 38	337
ζ Herculis ...	3.0	18 16	315
π Herculis ...	3.4	18 26	330
ε Herculis ...	3.9	18 38	314
δ Herculis ...	3.2	19 7	299
μ Herculis ...	3.5	19 32	306
α Lyræ ...	0.1	19 36	335
γ Lyræ ...	3.3	20 31	317
β Cygni ...	3.2	21 16	306
ε Cygni ...	2.6	22 15	320
ζ Cygni ...	3.4	22 53	311
ι Pegasi ...	4.0	23 58	299

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Arietis ...	2.2	0 8	63
β Trianguli ...	3.1	0 43	35
17. γ Tauri ...	3.8	1 46	61
η Tauri ...	3.0	1 49	61
ζ Persei ...	2.9	2 14	43
ι Aurigæ ...	2.9	3 23	39
β Tauri ...	1.8	3 36	51
μ Geminorum ...	3.2	4 22	64
ϵ Geminorum ...	3.2	4 47	58
θ Aurigæ ...	2.7	4 49	27
δ Geminorum ...	3.5	5 18	65
β Geminorum ...	1.2	5 55	52
α Geminorum ...	2.0	5 56	42
ϵ Leonis ...	3.1	7 47	60
40. γ Lyncis ...	3.3	7 55	34
δ Leonis ...	2.6	9 12	67
β Leonis ...	2.2	9 43	79
η Boötis ...	2.8	11 51	71
ρ Boötis ...	3.8	12 50	45
ϵ Boötis ...	2.7	12 54	53
α Coronæ Boreal. ...	2.3	13 43	54
δ Boötis ...	3.5	13 45	38
β Herculis ...	2.8	14 29	66
ζ Herculis ...	3.0	15 4	43
δ Herculis ...	3.2	15 20	59
ϵ Herculis ...	3.9	15 20	44
μ Herculis ...	3.5	15 57	52
π Herculis ...	3.4	16 5	27
γ Lyræ ...	3.3	17 25	41
β Cygni ...	3.2	17 41	52
ϵ Cygni ...	2.6	19 16	38
ζ Cygni ...	3.4	19 28	47
ι Pegasi ...	4.0	20 11	59
μ Pegasi ...	3.7	20 52	60
η Pegasi ...	3.1	20 58	48
β Pegasi ...	2.5	21 13	53
α Andromedæ ...	2.2	22 20	51
δ Andromedæ ...	3.5	22 56	46
β Andromedæ ...	2.4	23 47	33
μ Andromedæ ...	3.9	23 55	23

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 23	136
ϵ Eridani ...	3.8	2 2	133
δ Eridani ...	3.7	2 13	134
γ Eridani ...	3.2	2 46	145
β Eridani ...	2.9	3 22	121
53. ϵ Eridani ...	4.0	3 30	148
η Orionis ...	3.4	3 32	115
β Orionis ...	0.3	3 39	129
ζ Orionis ...	2.0	3 48	114
ι Orionis ...	2.9	3 51	123
κ Orionis ...	2.2	4 17	133
μ Leporis ...	3.3	4 18	155
α Canis Majoris ...	1.6	5 55	157
30. Monocerotis ...	4.0	6 36	118
α Hydræ ...	2.2	7 52	129
ν Hydræ ...	3.3	9 52	153
δ Crateris ...	3.8	10 10	147
δ Corvi ...	3.1	11 33	154
α Virginis ...	1.2	11 58	135
β Libræ ...	2.7	13 43	131
α Libræ ...	2.9	13 50	152
μ Serpentis ...	3.6	13 58	117
δ Ophiuchi ...	3.0	14 24	117
ϵ Ophiuchi ...	3.3	14 30	120
ζ Ophiuchi ...	2.7	15 9	135
η Ophiuchi ...	2.6	16 9	152
ν Ophiuchi ...	3.5	16 28	133
η Serpentis ...	3.4	16 30	116
λ Aquilæ ...	3.6	17 20	121
α^2 Capricorni ...	3.8	19 0	142
β Capricorni ...	3.3	19 15	150
ϵ Aquarii ...	3.8	19 16	133
β Aquarii ...	3.1	19 47	123
γ Aquarii ...	4.0	20 27	114
δ Capricorni ...	3.0	20 55	156
λ Aquarii ...	3.8	21 14	128
δ Aquarii ...	3.5	22 1	156
ι Ceti ...	3.8	22 46	132
θ Ceti ...	3.8	23 48	130

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ <i>Aquarii</i> ...	4.0	0 7	246
λ <i>Aquarii</i> ...	3.8	0 22	232
ι <i>Ceti</i> ...	3.8	1 44	228
θ <i>Ceti</i> ...	3.8	2 52	230
ζ <i>Ceti</i> ...	3.9	3 11	224
ϵ <i>Eridani</i> ...	3.8	4 56	227
γ <i>Eridani</i> ...	3.2	5 2	215
δ <i>Eridani</i> ...	3.7	5 5	226
53 <i>Eridani</i> ...	4.0	5 38	212
μ <i>Leporis</i> ...	3.3	6 0	205
β <i>Orionis</i> ...	0.3	6 43	231
β <i>Eridani</i> ...	2.9	6 46	239
η <i>Orionis</i> ...	3.4	7 8	245
ι <i>Orionis</i> ...	2.9	7 11	237
κ <i>Orionis</i> ...	2.2	7 11	227
ζ <i>Orionis</i> ...	2.0	7 26	246
α <i>Canis Majoris</i> ...	-1.6	7 29	203
30 <i>Monocerotis</i> ...	4.0	10 8	242
α <i>Hydræ</i> ...	2.2	10 56	231
ν <i>Hydræ</i> ...	3.3	11 40	207
δ <i>Crateris</i> ...	3.8	12 20	213
δ <i>Corvi</i> ...	3.1	13 19	206
α <i>Virginis</i> ...	1.2	14 45	225
α <i>Libræ</i> ...	2.9	15 42	208
β <i>Libræ</i> ...	2.7	16 43	229
μ <i>Serpentis</i> ...	3.6	17 32	243
δ <i>Ophiuchi</i> ...	3.0	17 56	243
ζ <i>Ophiuchi</i> ...	2.7	17 57	225
ϵ <i>Ophiuchi</i> ...	3.3	17 58	240
η <i>Ophiuchi</i> ...	2.6	18 3	208
ν <i>Ophiuchi</i> ...	3.5	19 22	227
η <i>Serpentis</i> ...	3.4	20 4	244
λ <i>Aquilæ</i> ...	3.6	20 44	239
β <i>Capricorni</i> ...	3.3	21 16	210
α^2 <i>Capricorni</i> ...	3.8	21 28	218
ϵ <i>Aquarii</i> ...	3.8	22 10	227
δ <i>Capricorni</i> ...	3.0	22 31	204
β <i>Aquarii</i> ...	3.1	23 7	237
δ <i>Aquarii</i> ...	3.5	23 39	204

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η <i>Pegasi</i> ...	3.1	0 20	312
μ <i>Pegasi</i> ...	3.7	0 40	300
β <i>Pegasi</i> ...	2.5	0 47	307
μ <i>Andromedæ</i> ...	3.9	1 49	337
α <i>Andromedæ</i> ...	2.2	1 48	309
δ <i>Andromedæ</i> ...	3.5	2 14	314
β <i>Andromedæ</i> ...	2.4	2 23	327
β <i>Trianguli</i> ...	3.1	3 27	325
α <i>Arietis</i> ...	2.2	3 58	297
ζ <i>Persei</i> ...	2.9	5 24	317
17 <i>Tauri</i> ...	3.8	5 34	299
η <i>Tauri</i> ...	3.0	5 37	299
ι <i>Aurigæ</i> ...	2.9	6 21	321
θ <i>Aurigæ</i> ...	2.7	6 59	333
β <i>Tauri</i> ...	1.8	7 6	309
ζ <i>Tauri</i> ...	3.0	7 31	293
μ <i>Geminorum</i> ...	3.2	8 14	296
ϵ <i>Geminorum</i> ...	3.2	8 31	302
α <i>Geminorum</i> ...	2.0	9 2	318
δ <i>Geminorum</i> ...	3.5	9 12	295
β <i>Geminorum</i> ...	1.2	9 25	308
40 <i>Lyncis</i> ...	3.3	10 37	326
ϵ <i>Leonis</i> ...	3.1	11 35	300
δ <i>Leonis</i> ...	2.6	13 8	293
β <i>Leonis</i> ...	2.2	13 47	281
η <i>Boötis</i> ...	2.8	15 51	289
ρ <i>Boötis</i> ...	3.8	16 6	315
ϵ <i>Boötis</i> ...	2.7	16 28	307
δ <i>Boötis</i> ...	3.5	16 39	322
α <i>Coronæ Boreal.</i>	2.3	17 19	306
ζ <i>Herculis</i> ...	3.0	18 12	317
π <i>Herculis</i> ...	3.4	18 19	333
β <i>Herculis</i> ...	2.8	18 25	294
ϵ <i>Herculis</i> ...	3.9	18 34	316
δ <i>Herculis</i> ...	3.2	19 4	301
μ <i>Herculis</i> ...	3.5	19 29	308
γ <i>Lyræ</i> ...	3.3	20 27	319
β <i>Cygni</i> ...	3.2	21 13	308
ϵ <i>Cygni</i> ...	2.6	22 10	322
ζ <i>Cygni</i> ...	3.4	22 50	313
ι <i>Pegasi</i> ...	4.0	23 55	301

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Arietis ...	2.2	0 10	61
β Trianguli ...	3.1	0 50	32
17 γ Tauri ...	3.8	1 48	60
η Tauri ...	3.0	1 51	60
ζ Persei ...	2.9	2 19	41
ι Aurigæ ...	2.9	3 28	37
ζ Tauri ...	3.0	3 36	65
β Tauri ...	1.8	3 39	49
μ Geminorum ...	3.2	4 24	62
ϵ Geminorum ...	3.2	4 50	56
θ Aurigæ ...	2.7	4 58	23
δ Geminorum ...	3.5	5 20	63
β Geminorum ...	1.2	5 58	50
α Geminorum ...	2.0	6 0	40
ϵ Leonis ...	3.1	7 50	59
40 γ Lyncis ...	3.3	8 2	31
δ Leonis ...	2.6	9 14	65
β Leonis ...	2.2	9 43	77
η Boötis ...	2.8	11 52	70
ρ Boötis ...	3.8	12 54	43
ϵ Boötis ...	2.7	12 57	51
α Coronæ Boreal.	2.3	13 46	52
δ Boötis ...	3.5	13 50	35
β Herculis ...	2.8	14 31	64
ζ Herculis ...	3.0	15 8	41
δ Herculis ...	3.2	15 22	57
ϵ Herculis ...	3.9	15 24	42
μ Herculis ...	3.5	16 0	50
π Herculis ...	3.4	16 12	24
γ Lyræ ...	3.3	17 30	38
β Cygni ...	3.2	17 44	50
ϵ Cygni ...	2.6	19 22	35
ζ Cygni ...	3.4	19 32	45
ι Pegasi ...	4.0	20 13	57
μ Pegasi ...	3.7	20 55	59
η Pegasi ...	3.1	21 2	46
β Pegasi ...	2.5	21 16	51
α Andromedæ ...	2.2	22 23	49
δ Andromedæ ...	3.5	23 0	44
β Andromedæ ...	2.4	23 53	30

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 19	133
ϵ Eridani ...	3.8	1 58	130
δ Eridani ...	3.7	2 9	131
γ Eridani ...	3.2	2 40	142
β Eridani ...	2.9	3 20	119
53 ϵ Eridani ...	4.0	3 24	144
β Orionis ...	0.3	3 35	127
ι Orionis ...	2.9	3 49	121
μ Leporis ...	3.3	4 10	151
κ Orionis ...	2.2	4 13	130
α Leporis ...	2.7	4 43	158
β Canis Majoris	2.0	5 33	158
α Canis Majoris	1.6	5 45	152
30 γ Monocerotis ...	4.0	6 34	116
α Hydræ ...	2.2	7 48	127
ν Hydræ ...	3.3	9 44	149
δ Crateris ...	3.8	10 4	144
γ Corvi ...	2.8	11 19	154
δ Corvi ...	3.1	11 25	150
α Virginis ...	1.2	11 54	133
β Libræ ...	2.7	13 40	129
α Libræ ...	2.9	13 43	149
μ Serpentis ...	3.6	13 57	115
δ Ophiuchi ...	3.0	14 22	116
ϵ Ophiuchi ...	3.3	14 28	118
ζ Ophiuchi ...	2.7	15 5	132
η Ophiuchi ...	2.6	16 3	149
ν Ophiuchi ...	3.5	16 24	131
λ Aquilæ ...	3.6	17 18	119
α^2 Capricorni ...	3.8	18 55	139
β Capricorni ...	3.3	19 9	146
ϵ Aquarii ...	3.8	19 12	131
β Aquarii ...	3.1	19 44	121
δ Capricorni ...	3.0	20 46	152
λ Aquarii ...	3.8	21 11	126
δ Aquarii ...	3.5	21 52	151
ι Ceti ...	3.8	22 43	129
θ Ceti ...	3.8	23 45	127

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
λ Aquarii ...	3·8	0 25	234
ι Ceti ...	3·8	1 47	231
θ Ceti ...	3·8	2 55	233
ζ Ceti ...	3·9	3 15	227
ε Eridani ...	3·8	5 0	230
γ Eridani ...	3·2	5 8	218
δ Eridani ...	3·7	5 9	229
53 Eridani ...	4·0	5 44	216
μ Leporis ...	3·3	6 8	209
α Leporis ...	2·7	6 15	202
β Orionis ...	0·3	6 47	233
β Eridani ...	2·9	6 48	241
β Canis Majoris	2·0	7 5	202
ι Orionis ...	2·9	7 13	239
κ Orionis ...	2·2	7 15	230
α Canis Majoris	−1·6	7 39	208
30 Monocerotis ...	4·0	10 10	244
α Hydræ ...	2·2	11 0	233
ν Hydræ ...	3·3	11 48	211
δ Crateris ...	3·8	12 26	216
γ Corvi ...	2·8	13 5	206
δ Corvi ...	3·1	13 27	210
α Virginis ...	1·2	14 49	227
α Libræ ...	2·9	15 49	211
β Libræ ...	2·7	16 46	231
μ Serpentis ...	3·6	17 33	245
δ Ophiuchi ...	3·0	17 58	244
ε Ophiuchi ...	3·3	18 0	242
ζ Ophiuchi ...	2·7	18 1	227
η Ophiuchi ...	2·6	18 9	211
ν Ophiuchi ...	3·5	19 26	229
η Serpentis ...	3·4	20 6	246
λ Aquilæ ...	3·6	20 46	241
β Capricorni ...	3·3	21 23	214
α ² Capricorni ...	3·8	21 33	221
ε Aquarii ...	3·8	22 14	229
δ Capricorni ...	3·0	22 40	208
β Aquarii ...	3·1	23 10	239
δ Aquarii ...	3·5	23 48	209

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
η Pegasi ...	3·1	0 16	314
μ Pegasi ...	3·7	0 37	301
β Pegasi ...	2·5	0 44	309
α Andromedæ ...	2·2	1 45	311
δ Andromedæ ...	3·5	2 10	316
β Andromedæ ...	2·4	2 17	330
β Trianguli ...	3·1	3 20	328
α Arietis ...	2·2	3 56	299
ζ Persei ...	2·9	5 19	319
17 Tauri ...	3·8	5 32	300
η Tauri ...	3·0	5 35	300
ι Aurigæ ...	2·9	6 16	323
θ Aurigæ ...	2·7	6 50	337
β Tauri ...	1·8	7 2	311
ζ Tauri ...	3·0	7 29	295
μ Geminorum ...	3·2	8 12	298
ε Geminorum ...	3·2	8 28	304
α Geminorum ...	2·0	8 58	320
δ Geminorum ...	3·5	9 10	297
β Geminorum ...	1·2	9 22	310
40 Lyncis ...	3·3	10 30	329
ε Leonis ...	3·1	11 32	301
δ Leonis ...	2·6	13 6	295
β Leonis ...	2·2	13 47	283
η Boötis ...	2·8	15 50	290
ρ Boötis ...	3·8	16 2	317
ε Boötis ...	2·7	16 25	309
δ Boötis ...	3·5	16 34	325
α Coronæ Boreal.	2·3	17 16	308
ζ Herculis ...	3·0	18 8	319
π Herculis ...	3·4	18 12	336
β Herculis ...	2·8	18 23	296
ε Herculis ...	3·9	18 30	318
δ Herculis ...	3·2	19 2	303
μ Herculis ...	3·5	19 26	310
γ Lyræ ...	3·3	20 22	322
β Cygni ...	3·2	21 10	310
ε Cygni ...	2·6	22 4	325
ζ Cygni ...	3·4	22 46	315
ι Pegasi ...	4·0	23 53	303

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Andromedæ ...	2.4	0 1	27
α Arietis ...	2.2	0 12	59
β Trianguli ...	3.1	0 57	29
17 Tauri ...	3.8	1 51	58
η Tauri ...	3.0	1 54	58
ζ Persei ...	2.9	2 24	38
ι Aurigæ ...	2.9	3 34	34
ζ Tauri ...	3.0	3 39	63
β Tauri ...	1.8	3 44	47
μ Geminorum ...	3.2	4 26	60
ε Geminorum ...	3.2	4 53	54
δ Geminorum ...	3.5	5 23	61
β Geminorum ...	1.2	6 2	47
α Geminorum ...	2.0	6 6	37
ε Leonis ...	3.1	7 53	57
40 Lyncis ...	3.3	8 9	28
γ ¹ Leonis ...	2.6	8 20	65
δ Leonis ...	2.6	9 16	63
β Leonis ...	2.2	9 44	76
η Boötis ...	2.8	11 54	68
ρ Boötis ...	3.8	12 59	41
ε Boötis ...	2.7	13 0	49
α Coronæ Boreal.	2.3	13 49	50
δ Boötis ...	3.5	13 57	32
β Herculis ...	2.8	14 34	62
ζ Herculis ...	3.0	15 13	38
δ Herculis ...	3.2	15 25	55
ε Herculis ...	3.9	15 29	40
μ Herculis ...	3.5	16 4	48
γ Lyræ ...	3.3	17 36	35
β Cygni ...	3.2	17 48	48
ε Cygni ...	2.6	19 28	32
ζ Cygni ...	3.4	19 37	43
ι Pegasi ...	4.0	20 16	55
μ Pegasi ...	3.7	20 58	57
η Pegasi ...	3.1	21 6	43
β Pegasi ...	2.5	21 20	49
α Andromedæ ...	2.2	22 27	46
δ Andromedæ ...	3.5	23 5	41

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 16	130
ε Eridani ...	3.8	1 55	128
δ Eridani ...	3.7	2 6	128
γ Eridani ...	3.2	2 35	139
β Eridani ...	2.9	3 18	117
53 Eridani ...	4.0	3 19	141
β Orionis ...	0.3	3 32	124
ι Orionis ...	2.9	3 46	119
μ Leporis ...	3.3	4 3	147
κ Orionis ...	2.2	4 10	128
α Leporis ...	2.7	4 35	154
β Canis Majoris	2.0	5 25	154
α Canis Majoris	-1.6	5 38	148
30 Monocerotis ...	4.0	6 32	114
α Hydræ ...	2.2	7 45	124
ν Hydræ ...	3.3	9 37	145
δ Crateris ...	3.8	9 59	141
γ Corvi ...	2.8	11 12	150
δ Corvi ...	3.1	11 19	146
α Virginis ...	1.2	11 50	130
α Libræ ...	2.9	13 37	145
β Libræ ...	2.7	13 37	126
ε Ophiuchi ...	3.3	14 26	116
ζ Ophiuchi ...	2.7	15 1	130
η Ophiuchi ...	2.6	15 56	145
ν Ophiuchi ...	3.5	16 21	128
λ Aquilæ ...	3.6	17 16	117
α ² Capricorni ...	3.8	18 51	136
β Capricorni ...	3.3	19 3	143
ε Aquarii ...	3.8	19 9	128
β Aquarii ...	3.1	19 42	119
δ Capricorni ...	3.0	20 39	148
λ Aquarii ...	3.8	21 8	124
δ Aquarii ...	3.5	21 45	147
ι Ceti ...	3.8	22 39	127
θ Ceti ...	3.8	23 42	125
β Ceti ...	2.2	23 48	155

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
λ Aquarii ...	3.8	0 28	236
β Ceti ...	2.2	1 30	205
ι Ceti ...	3.8	1 51	233
θ Ceti ...	3.8	2 58	235
ζ Ceti ...	3.9	3 18	230
ε Eridani ...	3.8	5 3	232
δ Eridani ...	3.7	5 12	232
γ Eridani ...	3.2	5 13	221
53 Eridani ...	4.0	5 49	219
μ Leporis ...	3.3	6 15	213
α Leporis ...	2.7	6 23	206
β Orionis ...	0.3	6 50	236
β Eridani ...	2.9	6 50	243
β Canis Majoris	2.0	7 13	206
ι Orionis ...	2.9	7 16	241
κ Orionis ...	2.2	7 18	232
α Canis Majoris	1.6	7 46	212
30 Monocerotis ...	4.0	10 12	246
α Hydræ ...	2.2	11 3	236
ν Hydræ ...	3.3	11 55	215
δ Crateris ...	3.8	12 31	219
γ Corvi ...	2.8	13 12	210
δ Corvi ...	3.1	13 33	214
α Virginis ...	1.2	14 52	230
α Libræ ...	2.9	15 55	215
β Libræ ...	2.7	16 49	234
δ Ophiuchi ...	3.0	18 0	246
ε Ophiuchi ...	3.3	18 2	244
ζ Ophiuchi ...	2.7	18 5	230
η Ophiuchi ...	2.6	18 15	215
ν Ophiuchi ...	3.5	19 29	232
λ Aquilæ ...	3.6	20 48	243
β Capricorni ...	3.3	21 29	217
α ² Capricorni ...	3.8	21 38	224
ε Aquarii ...	3.8	22 17	232
δ Capricorni ...	3.0	22 47	212
β Aquarii ...	3.1	23 12	241
δ Aquarii ...	3.5	23 56	213

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η Pegasi ...	3.1	0 12	317
μ Pegasi ...	3.7	0 34	303
β Pegasi ...	2.5	0 40	311
α Andromedæ ...	2.2	1 41	314
δ Andromedæ ...	3.5	2 5	319
β Andromedæ ...	2.4	2 9	333
β Trianguli ...	3.1	3 13	331
β Arietis ...	2.7	3 45	295
α Arietis ...	2.2	3 54	301
ζ Persei ...	2.9	5 14	322
17 Tauri ...	3.8	5 29	302
η Tauri ...	3.0	5 32	302
ι Aurigæ ...	2.9	6 10	326
β Tauri ...	1.8	6 58	313
ζ Tauri ...	3.0	7 27	297
μ Geminorum ...	3.2	8 10	300
ε Geminorum ...	3.2	8 25	306
α Geminorum ...	2.0	8 52	323
δ Geminorum ...	3.5	9 7	299
β Geminorum ...	1.2	9 18	313
40 Lyncis ...	3.3	10 23	332
ε Leonis ...	3.1	11 29	303
γ ¹ Leonis ...	2.6	12 10	295
δ Leonis ...	2.6	13 4	297
β Leonis ...	2.2	13 46	284
η Boötis ...	2.8	15 48	292
ρ Boötis ...	3.8	15 57	319
ε Boötis ...	2.7	16 22	311
δ Boötis ...	3.5	16 27	328
α Coronæ Boreal.	2.3	17 13	310
ζ Herculis ...	3.0	18 3	322
β Herculis ...	2.8	18 20	298
ε Herculis ...	3.9	18 25	320
δ Herculis ...	3.2	18 59	305
μ Herculis ...	3.5	19 22	312
γ Lyræ ...	3.3	20 16	325
β Cygni ...	3.2	21 6	312
ε Cygni ...	2.6	21 58	328
ζ Cygni ...	3.4	22 41	317
ι Pegasi ...	4.0	23 50	305

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Arietis ...	2.2	0 15	57
β Trianguli ...	3.1	1 5	25
γ Tauri ...	3.8	1 53	56
η Tauri ...	3.0	1 56	56
ϵ Tauri ...	3.6	2 28	66
ζ Persei ...	2.9	2 29	35
ι Aurigæ ...	2.9	3 40	31
ζ Tauri ...	3.0	3 41	61
β Tauri ...	1.8	3 48	44
μ Geminorum ...	3.2	4 28	58
ϵ Geminorum ...	3.2	4 55	52
δ Geminorum ...	3.5	5 25	59
β Geminorum ...	1.2	6 6	45
α Geminorum ...	2.0	6 12	34
ϵ Leonis ...	3.1	7 56	55
γ Lyncis ...	3.3	8 17	25
γ^1 Leonis ...	2.6	8 22	63
δ Leonis ...	2.6	9 18	62
β Leonis ...	2.2	9 46	74
η Boötis ...	2.8	11 55	66
α Boötis ...	0.2	12 17	65
ρ Boötis ...	3.8	13 4	38
ϵ Boötis ...	2.7	13 4	47
α Coronæ Boreal.	2.3	13 53	48
δ Boötis ...	3.5	14 4	29
γ Herculis ...	3.8	14 23	65
β Herculis ...	2.8	14 36	60
ζ Herculis ...	3.0	15 19	35
δ Herculis ...	3.2	15 28	53
ϵ Herculis ...	3.9	15 34	37
μ Herculis ...	3.5	16 7	46
γ Lyræ ...	3.3	17 42	32
β Cygni ...	3.2	17 51	46
ϵ Cygni ...	2.6	19 35	29
ζ Cygni ...	3.4	19 41	40
ι Pegasi ...	4.0	20 19	53
μ Pegasi ...	3.7	21 1	54
η Pegasi ...	3.1	21 10	41
β Pegasi ...	2.5	21 23	46
α Andromedæ ...	2.2	22 31	44
δ Andromedæ ...	3.5	23 9	39
β Arietis ...	2.7	23 57	63

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 12	128
ϵ Eridani ...	3.8	1 52	126
δ Eridani ...	3.7	2 2	126
γ Eridani ...	3.2	2 31	136
γ^1 Eridani ...	4.0	3 14	138
β Eridani ...	2.9	3 16	115
β Orionis ...	0.3	3 30	122
ι Orionis ...	2.9	3 44	117
μ Leporis ...	3.3	3 57	144
κ Orionis ...	2.2	4 7	126
α Leporis ...	2.7	4 27	150
β Canis Majoris	2.0	5 17	150
α Canis Majoris	1.6	5 32	145
α Hydræ ...	2.2	7 42	122
ν Hydræ ...	3.3	9 32	142
δ Crateris ...	3.8	9 54	138
γ Corvi ...	2.8	11 5	147
δ Corvi ...	3.1	11 13	143
α Virginis ...	1.2	11 46	128
α Libræ ...	2.9	13 31	142
β Libræ ...	2.7	13 34	124
ζ Ophiuchi ...	2.7	14 58	128
β^1 Scorpii ...	2.9	15 12	157
η Ophiuchi ...	2.6	15 51	142
ν Ophiuchi ...	3.5	16 18	126
λ Aquilæ ...	3.6	17 13	115
α^2 Capricorni ...	3.8	18 47	134
β Capricorni ...	3.3	18 58	140
ϵ Aquarii ...	3.8	19 6	126
β Aquarii ...	3.1	19 40	117
δ Capricorni ...	3.0	20 32	145
λ Aquarii ...	3.8	21 6	122
δ Aquarii ...	3.5	21 38	144
ι Ceti ...	3.8	22 36	125
θ Ceti ...	3.8	23 39	123
β Ceti ...	2.2	23 41	152

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Aquarii ...	3·5	0 2	216
λ Aquarii ...	3·8	0 30	238
β Ceti ...	2·2	1 37	208
ι Ceti ...	3·8	1 54	235
0 Ceti ...	3·8	3 1	237
ζ Ceti ...	3·9	3 22	232
ε Eridani ...	3·8	5 6	234
δ Eridani ...	3·7	5 16	234
γ Eridani ...	3·2	5 17	224
53 Eridani ...	4·0	5 54	222
μ Leporis ...	3·3	6 21	216
α Leporis ...	2·7	6 31	210
β Eridani ...	2·9	6 52	245
β Orionis ...	0·3	6 53	238
ι Orionis ...	2·9	7 18	243
κ Orionis ...	2·2	7 21	234
β Canis Majoris	2·0	7 21	210
α Canis Majoris	-1·6	7 52	215
α Hydræ ...	2·2	11 6	238
ν Hydræ ...	3·3	12 0	218
δ Crateris ...	3·8	12 36	222
γ Corvi ...	2·8	13 19	213
δ Corvi ...	3·1	13 39	217
α Virginis ...	1·2	14 56	232
α Libræ ...	2·9	16 1	218
β ¹ Scorpii ...	2·9	16 50	203
β Libræ ...	2·7	16 52	236
ε Ophiuchi ...	3·3	18 4	246
ζ Ophiuchi ...	2·7	18 8	232
η Ophiuchi ...	2·6	18 21	218
ν Ophiuchi ...	3·5	19 32	234
λ Aquilæ ...	3·6	20 50	245
β Capricorni ...	3·3	21 34	220
α ² Capricorni ...	3·8	21 41	226
ε Aquarii ...	3·8	22 20	234
δ Capricorni ...	3·0	22 54	215
β Aquarii ...	3·1	23 14	243

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
η Pegasi ...	3·1	0 8	319
μ Pegasi ...	3·7	0 31	306
β Pegasi ...	2·5	0 37	314
α Andromedæ ...	2·2	1 37	316
δ Andromedæ ...	3·5	2 1	321
β Trianguli ...	3·1	3 5	335
β Arietis ...	2·7	3 43	297
α Arietis ...	2·2	3 51	303
ζ Persei ...	2·9	5 9	325
17 Tauri ...	3·8	5 27	304
η Tauri ...	3·0	5 30	304
ι Aurigæ ...	2·9	6 4	329
ε Tauri ...	3·6	6 20	294
β Tauri ...	1·8	6 54	316
ζ Tauri ...	3·0	7 25	299
μ Germinorum ...	3·2	8 8	302
ε Germinorum ...	3·2	8 22	308
α Germinorum ...	2·0	8 46	326
δ Germinorum ...	3·5	9 5	301
β Germinorum ...	1·2	9 14	315
40 Lyncis ...	3·3	10 15	335
ε Leonis ...	3·1	11 26	305
γ ¹ Leonis ...	2·6	12 8	297
δ Leonis ...	2·6	13 2	298
β Leonis ...	2·2	13 44	286
η Boötis ...	2·8	15 47	294
ρ Boötis ...	3·8	15 52	322
α Boötis ...	0·2	16 7	295
ε Boötis ...	2·7	16 18	313
δ Boötis ...	3·5	16 20	331
α Coronæ Boreal.	2·3	17 9	312
ζ Herculis ...	3·0	17 57	325
γ Herculis ...	3·8	18 13	295
β Herculis ...	2·8	18 18	300
ε Herculis ...	3·9	18 20	323
δ Herculis ...	3·2	18 56	307
μ Herculis ...	3·5	19 19	314
γ Lyræ ...	3·3	20 10	328
β Cygni ...	3·2	21 3	314
ε Cygni ...	2·6	21 51	331
ζ Cygni ...	3·4	22 37	320
ι Pegasi ...	4·0	23 47	307

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Arietis	2.2	0 18	55
17 τ Tauri	3.8	1 56	53
η Tauri	3.0	1 59	53
ϵ Tauri	3.6	2 30	64
ζ Persei	2.9	2 35	32
ζ Tauri	3.0	3 44	59
ι Aurigæ	2.9	3 47	28
β Tauri	1.8	3 53	41
μ Geminorum	3.2	4 31	56
ϵ Geminorum	3.2	4 59	50
δ Geminorum	3.5	5 28	57
β Geminorum	1.2	6 10	43
α Geminorum	2.0	6 18	31
ϵ Leonis	3.1	7 59	52
γ^1 Leonis	2.6	8 24	61
δ Leonis	2.6	9 20	60
β Leonis	2.2	9 47	72
η Boötis	2.8	11 57	64
α Boötis	0.2	12 20	63
ϵ Boötis	2.7	13 8	45
ρ Boötis	3.8	13 10	35
α Coronæ Boreal. ...	2.3	13 57	46
δ Boötis	3.5	14 12	26
γ Herculis	3.8	14 25	63
β Herculis	2.8	14 39	58
ζ Herculis	3.0	15 25	32
δ Herculis	3.2	15 31	51
ϵ Herculis	3.9	15 40	34
μ Herculis	3.5	16 11	44
γ Lyræ	3.3	17 49	29
β Cygni	3.2	17 55	44
ϵ Cygni	2.6	19 43	26
ζ Cygni	3.4	19 46	38
ι Pegasi	4.0	20 22	51
μ Pegasi	3.7	21 4	52
η Pegasi	3.1	21 16	38
β Pegasi	2.5	21 28	44
α Andromedæ	2.2	22 36	41
δ Andromedæ	3.5	23 15	36
β Arietis	2.7	23 59	61

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Ceti	3.9	0 9	126
ϵ Eridani	3.8	1 49	123
δ Eridani	3.7	1 59	124
γ Eridani	3.2	2 27	134
53 ϵ Eridani	4.0	3 10	136
β Orionis	0.3	3 28	120
ι Orionis	2.9	3 42	115
μ Leporis	3.3	3 52	141
κ Orionis	2.2	4 4	123
α Leporis	2.7	4 21	146
β Canis Majoris ...	2.0	5 11	146
α Canis Majoris ...	-1.6	5 26	142
α Hydræ	2.2	7 40	120
ν Hydræ	3.3	9 27	139
δ Crateris	3.8	9 50	135
γ Corvi	2.8	10 59	143
δ Corvi	3.1	11 8	140
α Virginis	1.2	11 43	126
α Libræ	2.9	13 26	139
β Libræ	2.7	13 31	122
ζ Ophiuchi	2.7	14 55	125
β^1 Scorpii	2.9	15 4	152
η Ophiuchi	2.6	15 46	139
ν Ophiuchi	3.5	16 15	124
λ Aquilæ	3.6	17 12	113
α^2 Capricorni	3.8	18 43	131
β Capricorni	3.3	18 53	137
ϵ Aquarii	3.8	19 3	124
β Aquarii	3.1	19 38	115
δ Capricorni	3.0	20 27	142
λ Aquarii	3.8	21 4	120
δ Aquarii	3.5	21 33	141
ι Ceti	3.8	22 34	123
β Ceti	2.2	23 34	148
θ Ceti	3.8	23 37	121

SW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 7	219
λ Aquarii ...	3.8	0 32	240
β Ceti ...	2.2	1 44	212
ι Ceti ...	3.8	1 56	237
θ Ceti ...	3.8	3 3	239
ζ Ceti ...	3.9	3 25	234
ε Eridani ...	3.8	5 9	237
δ Eridani ...	3.7	5 19	236
γ Eridani ...	3.2	5 21	226
53 Eridani ...	4.0	5 58	224
μ Leporis ...	3.3	6 26	219
α Leporis ...	2.7	6 37	214
β Orionis ...	0.3	6 55	240
ι Orionis ...	2.9	7 20	245
κ Orionis ...	2.2	7 24	237
β Canis Majoris	2.0	7 27	214
α Canis Majoris	-1.6	7 58	218
α Hydræ ...	2.2	11 8	240
ν Hydræ ...	3.3	12 5	221
δ Crateris...	3.8	12 41	225
γ Corvi ...	2.8	13 25	217
δ Corvi ...	3.1	13 44	220
α Virginis...	1.2	14 59	234
α Libræ ...	2.9	16 6	221
β Libræ ...	2.7	16 55	238
β ¹ Scorpii ...	2.9	16 58	208
ζ Ophiuchi ...	2.7	18 11	235
η Ophiuchi ...	2.6	18 26	221
ν Ophiuchi ...	3.5	19 35	236
λ Aquilæ ...	3.6	20 52	247
β Capricorni	3.3	21 39	223
α ² Capricorni	3.8	21 45	229
ε Aquarii ...	3.8	22 23	236
δ Capricorni	3.0	22 59	218
β Aquarii ...	3.1	23 16	245

NW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
η Pegasi ...	3.1	0 2	322
μ Pegasi ...	3.7	0 28	308
β Pegasi ...	2.5	0 32	316
α Andromedæ...	2.2	1 32	319
δ Andromedæ...	3.5	1 55	324
β Arietis ...	2.7	3 41	299
α Arietis ...	2.2	3 48	305
ζ Persei ...	2.9	5 3	328
17 Tauri ...	3.8	5 24	307
η Tauri ...	3.0	5 27	307
ι Aurigæ ...	2.9	5 57	332
ε Tauri ...	3.6	6 18	296
β Tauri ...	1.8	6 49	319
ζ Tauri ...	3.0	7 22	301
μ Geminorum...	3.2	8 5	304
ε Geminotum...	3.2	8 19	310
α Geminorum...	2.0	8 40	329
δ Geminorum...	3.5	9 2	303
β Geminorum...	1.2	9 10	317
ε Leonis ...	3.1	11 23	308
γ ¹ Leonis ...	2.6	12 6	299
δ Leonis ...	2.6	13 0	300
β Leonis ...	2.2	13 43	288
η Boötis ...	2.8	15 45	296
ρ Boötis ...	3.8	15 46	325
α Boötis ...	0.2	16 4	297
δ Boötis ...	3.5	16 12	334
ε Boötis ...	2.7	16 14	315
α Coronæ Boreal.	2.3	17 5	314
ζ Herculis ...	3.0	17 51	328
γ Herculis ...	3.8	18 11	297
ε Herculis ...	3.9	18 14	326
β Herculis ...	2.8	18 15	302
δ Herculis ...	3.2	18 53	309
μ Herculis ...	3.5	19 15	316
γ Lyræ ...	3.3	20 3	331
β Cygni ...	3.2	20 59	316
ε Cygni ...	2.6	21 43	334
ζ Cygni ...	3.4	22 32	322
ι Pegasi ...	4.0	23 44	309

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Arietis ...	2.7	0 2	59
α Arietis ...	2.2	0 21	53
17 Tauri ...	3.8	1 59	51
η Tauri ...	3.0	2 2	51
ε Tauri ...	3.6	2 32	63
ζ Persei ...	2.9	2 42	29
ζ Tauri ...	3.0	3 46	57
ι Aurigæ ...	2.9	3 56	24
β Tauri ...	1.8	3 57	39
μ Geminorum ...	3.2	4 34	54
ε Geminorum ...	3.2	5 3	48
δ Geminorum ...	3.5	5 30	55
β Geminorum ...	1.2	6 15	40
α Geminorum ...	2.0	6 26	28
ε Leonis ...	3.1	8 2	50
γ ¹ Leonis ...	2.6	8 27	59
δ Leonis ...	2.6	9 23	58
β Leonis ...	2.2	9 48	70
η Boötis ...	2.8	12 0	63
α Boötis ...	0.2	12 22	61
ε Boötis ...	2.7	13 13	42
ρ Boötis ...	3.8	13 16	32
α Coronæ Boreal.	2.3	14 1	43
γ Herculis ...	3.8	14 27	62
β Herculis ...	2.8	14 41	56
ζ Herculis ...	3.0	15 33	28
δ Herculis ...	3.2	15 35	49
ε Herculis ...	3.9	15 47	31
μ Herculis ...	3.5	16 16	41
γ Lyræ ...	3.3	17 56	26
β Cygni ...	3.2	18 0	41
ζ Cygni ...	3.4	19 52	35
ι Pegasi ...	4.0	20 26	49
μ Pegasi ...	3.7	21 7	50
η Pegasi ...	3.1	21 21	35
β Pegasi ...	2.5	21 33	41
α Andromedæ ...	2.2	22 41	39
δ Andromedæ ...	3.5	23 21	33

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 7	124
ε Eridani ...	3.8	1 46	121
δ Eridani ...	3.7	1 57	122
γ Eridani ...	3.2	2 23	131
53 Eridani ...	4.0	3 6	133
β Orionis ...	0.3	3 25	118
μ Leporis ...	3.3	3 47	138
κ Orionis ...	2.2	4 1	121
α Leporis ...	2.7	4 15	143
β Leporis ...	3.0	4 29	153
β Canis Majoris	2.0	5 5	143
α Canis Majoris	-1.6	5 22	139
α Hydræ ...	2.2	7 38	118
ν Hydræ ...	3.3	9 23	137
δ Crateris ...	3.8	9 46	133
γ Corvi ...	2.8	10 54	140
δ Corvi ...	3.1	11 3	137
α Virginis ...	1.2	11 40	124
α Libræ ...	2.9	13 22	136
β Libræ ...	2.7	13 29	120
ζ Ophiuchi ...	2.7	14 52	123
β ¹ Scorpii ...	2.9	14 57	149
η Ophiuchi ...	2.6	15 42	136
ν Ophiuchi ...	3.5	16 12	122
λ Aquilæ ...	3.6	17 10	111
μ Sagittarii ...	4.0	17 17	155
ξ Sagittarii ...	3.6	18 2	156
π Sagittarii ...	3.0	18 14	155
α ² Capricorni ...	3.8	18 40	129
β Capricorni ...	3.3	18 49	135
ε Aquarii ...	3.8	19 0	121
δ Capricorni ...	3.0	20 22	139
λ Aquarii ...	3.8	21 2	118
δ Aquarii ...	3.5	21 28	138
c ² Aquarii ...	3.8	22 17	157
ι Ceti ...	3.8	22 31	120
β Ceti ...	2.2	23 28	145
θ Ceti ...	3.8	23 35	119

SW. QUADRANT

Star.	Magn.	L. S. T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 12	222
λ Aquarii ...	3.8	0 34	242
β Ceti ...	2.2	1 50	215
ι Ceti ...	3.8	1 59	240
θ Ceti ...	3.8	3 5	241
ζ Ceti ...	3.9	3 27	236
ε Eridani ...	3.8	5 12	239
δ Eridani ...	3.7	5 21	238
γ Eridani ...	3.2	5 25	229
53 Eridani ...	4.0	6 2	227
β Leporis ...	3.0	6 21	207
μ Leporis ...	3.3	6 31	222
α Leporis ...	2.7	6 43	217
β Orionis ...	0.3	6 57	242
κ Orionis ...	2.2	7 27	239
β Canis Majoris	2.0	7 33	217
α Canis Majoris	1.6	8 2	221
α Hydræ ...	2.2	11 10	242
ν Hydræ ...	3.3	12 9	223
δ Crateris ...	3.8	12 44	227
γ Corvi ...	2.8	13 30	220
δ Corvi ...	3.1	13 49	223
α Virginis ...	1.2	15 2	236
α Libræ ...	2.9	16 10	224
β Libræ ...	2.7	16 57	240
β ¹ Scorpii ...	2.9	17 5	211
ζ Ophiuchi ...	2.7	18 14	237
η Ophiuchi ...	2.6	18 30	224
μ Sagittarii ...	4.0	19 1	205
ν Ophiuchi ...	3.5	19 38	238
ξ Sagittarii ...	3.6	19 44	204
π Sagittarii ...	3.0	19 56	205
λ Aquilæ ...	3.6	20 54	249
β Capricorni ...	3.3	21 43	225
α ² Capricorni ...	3.8	21 48	231
ε Aquarii ...	3.8	22 26	238
δ Capricorni ...	3.0	23 4	221
c ² Aquarii ...	3.8	23 53	203

NW. QUADRANT

Star.	Magn.	L. S. T.	Az.
		h. m.	°
μ Pegasi ...	3.7	0 25	310
β Pegasi ...	2.5	0 27	319
α Andromedæ ...	2.2	1 27	321
δ Andromedæ ...	3.5	1 49	327
β Arietis ...	2.7	3 38	301
α Arietis ...	2.2	3 45	307
ζ Persei ...	2.9	4 56	331
17 Tauri ...	3.8	5 21	309
η Tauri ...	3.0	5 24	309
ι Aurigæ ...	2.9	5 48	336
ε Tauri ...	3.6	6 16	297
β Tauri ...	1.8	6 45	321
ζ Tauri ...	3.0	7 20	303
μ Geminorum ...	3.2	8 2	306
ε Geminorum ...	3.2	8 15	312
α Geminorum ...	2.0	8 32	332
δ Geminorum ...	3.5	9 0	305
β Geminorum ...	1.2	9 5	320
ε Leonis ...	3.1	11 20	310
γ ¹ Leonis ...	2.6	12 3	301
δ Leonis ...	2.6	12 57	302
β Leonis ...	2.2	13 42	290
ρ Boötis ...	3.8	15 40	328
η Boötis ...	2.8	15 42	297
α Boötis ...	0.2	16 2	299
ε Boötis ...	2.7	16 9	318
α Coronæ Boreal.	2.3	17 1	317
ζ Herculis ...	3.0	17 43	332
ε Herculis ...	3.9	18 7	329
γ Herculis ...	3.8	18 9	298
β Herculis ...	2.8	18 13	304
δ Herculis ...	3.2	18 49	311
μ Herculis ...	3.5	19 10	319
γ Lyræ ...	3.3	19 56	334
β Cygni ...	3.2	20 54	319
ζ Cygni ...	3.4	22 26	325
ι Pegasi ...	4.0	23 40	311
η Pegasi ...	3.1	23 57	325

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Arietis ...	2.7	0 4	57
α Arietis ...	2.2	0 24	51
17 Tauri ...	3.8	2 3	49
η Tauri ...	3.0	2 6	49
ε Tauri ...	3.6	2 35	61
α Tauri ...	1.1	2 38	65
ζ Persei ...	2.9	2 50	26
ζ Tauri ...	3.0	3 49	55
β Tauri ...	1.8	4 2	36
μ Geminorum ...	3.2	4 37	52
γ Geminorum ...	1.9	4 40	65
ε Geminorum ...	3.2	5 7	45
δ Geminorum ...	3.5	5 33	53
β Geminorum ...	1.2	6 20	37
α Geminorum ...	2.0	6 34	24
ε Leonis ...	3.1	8 5	48
γ ¹ Leonis ...	2.6	8 29	57
δ Leonis ...	2.6	9 26	56
β Leonis ...	2.2	9 50	69
η Boötis ...	2.8	12 2	61
α Boötis ...	0.2	12 24	59
ε Boötis ...	2.7	13 18	39
ρ Boötis ...	3.8	13 22	29
α Coronæ Boreal.	2.3	14 6	40
γ Herculis ...	3.8	14 30	60
β Herculis ...	2.8	14 44	54
δ Herculis ...	3.2	15 39	46
ζ Herculis ...	3.0	15 41	25
ε Herculis ...	3.9	15 54	28
μ Herculis ...	3.5	16 21	38
β Cygni ...	3.2	18 5	38
ζ Cygni ...	3.4	19 58	32
ι Pegasi ...	4.0	20 30	46
μ Pegasi ...	3.7	21 10	48
η Pegasi ...	3.1	21 27	32
β Pegasi ...	2.5	21 37	39
α Andromedæ ...	2.2	22 46	36
δ Andromedæ ...	3.5	23 27	30

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 4	122
ε Eridani ...	3.8	1 44	119
δ Eridani ...	3.7	1 55	120
γ Eridani ...	3.2	2 20	129
53 Eridani ...	4.0	3 2	131
β Orionis ...	0.3	3 23	116
μ Leporis ...	3.3	3 43	135
κ Orionis ...	2.2	3 59	119
α Leporis ...	2.7	4 10	140
ε Leporis ...	3.3	4 13	157
β Leporis ...	3.0	4 22	150
β Canis Majoris	2.0	5 0	140
α Canis Majoris	1.6	5 18	136
α Hydræ ...	2.2	7 36	116
ν Hydræ ...	3.3	9 18	134
δ Crateris ...	3.8	9 43	130
γ Corvi ...	2.8	10 50	138
δ Corvi ...	3.1	10 59	135
ε Corvi ...	3.2	11 14	155
α Virginis ...	1.2	11 38	122
α Libræ ...	2.9	13 18	134
β Libræ ...	2.7	13 27	118
ζ Ophiuchi ...	2.7	14 49	121
β ¹ Scorpii ...	2.9	14 50	145
δ Scorpii ...	2.5	15 5	156
η Ophiuchi ...	2.6	15 38	134
ν Ophiuchi ...	3.5	16 10	119
μ Sagittarii ...	4.0	17 9	151
ξ Sagittarii ...	3.6	17 53	151
π Sagittarii ...	3.0	18 5	151
α ² Capricorni ...	3.8	18 37	127
β Capricorni ...	3.3	18 45	132
ε Aquarii ...	3.8	18 58	119
δ Capricorni ...	3.0	20 18	136
ζ Capricorni ...	3.9	20 36	158
λ Aquarii ...	3.8	20 59	116
δ Aquarii ...	3.5	21 24	135
c ² Aquarii ...	3.8	22 8	153
ι Ceti ...	3.8	22 29	118
β Ceti ...	2.2	23 23	142
θ Ceti ...	3.8	23 33	117

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
c ² Aquarii ...	3.8	0 2	207
δ Aquarii ...	3.5	0 16	225
λ Aquarii ...	3.8	0 37	245
β Ceti ...	2.2	1 55	218
ι Ceti ...	3.8	2 1	242
θ Ceti ...	3.8	3 7	243
ζ Ceti ...	3.9	3 30	238
ε Eridani ...	3.8	5 14	241
δ Eridani ...	3.7	5 23	240
γ Eridani ...	3.2	5 28	231
ε Leporis ...	3.3	5 51	203
53 Eridani ...	4.0	6 6	229
β Leporis ...	3.0	6 28	210
μ Leporis ...	3.3	6 35	225
α Leporis ...	2.7	6 48	220
β Orionis ...	0.3	6 59	244
κ Orionis ...	2.2	7 29	241
β Canis Majoris	2.0	7 38	220
α Canis Majoris	-1.6	8 6	224
α Hydræ ...	2.2	11 12	244
ν Hydræ ...	3.3	12 14	226
δ Crateris...	3.8	12 47	230
ε Corvi ...	3.2	12 58	205
γ Corvi ...	2.8	13 34	222
δ Corvi ...	3.1	13 53	225
α Virginis...	1.2	15 4	238
α Libræ ...	2.9	16 14	226
δ Scorpæ ...	2.5	16 45	204
β Libræ ...	2.7	16 59	242
β ¹ Scorpæ ...	2.9	17 12	215
ζ Ophiuchi	2.7	18 17	239
η Ophiuchi	2.6	18 34	226
μ Sagittarii	4.0	19 9	209
ν Ophiuchi	3.5	19 40	241
ξ Sagittarii	3.6	19 53	209
π Sagittarii	3.0	20 5	209
β Capricorni	3.3	21 47	228
α ² Capricorni	3.8	21 51	233
ζ Capricorni	3.9	22 8	202
ε Aquarii ...	3.8	22 28	240
δ Capricorni	3.0	23 8	224

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
μ Pegasi ...	3.7	0 22	312
β Pegasi ...	2.5	0 23	321
α Andromedæ ...	2.2	1 22	324
δ Andromedæ ...	3.5	1 43	330
β Arietis ...	2.7	3 36	303
α Arietis ...	2.2	3 42	309
ζ Persei ...	2.9	4 48	334
17 Tauri ...	3.8	5 17	311
η Tauri ...	3.0	5 20	311
ε Tauri ...	3.6	6 13	299
α Tauri ...	1.1	6 24	294
β Tauri ...	1.8	6 39	324
ζ Tauri ...	3.0	7 17	305
μ Geminorum ...	3.2	7 59	308
ε Geminorum ...	3.2	8 11	315
α Geminorum ...	2.0	8 24	336
γ Geminorum ...	1.9	8 26	295
δ Geminorum ...	3.5	8 57	307
β Geminorum ...	1.2	9 0	323
ε Leonis ...	3.1	11 17	312
γ ¹ Leonis ...	2.6	12 1	303
δ Leonis ...	2.6	12 54	304
β Leonis ...	2.2	13 40	291
ρ Boötis ...	3.8	15 34	331
η Boötis ...	2.8	15 40	299
α Boötis ...	0.2	16 0	301
ε Boötis ...	2.7	16 4	321
α Coronæ Boreal.	2.3	16 56	320
ζ Herculis ...	3.0	17 35	335
ε Herculis ...	3.9	18 0	332
γ Herculis ...	3.8	18 6	300
β Herculis ...	2.8	18 10	306
δ Herculis ...	3.2	18 45	314
μ Herculis ...	3.5	19 5	322
β Cygni ...	3.2	20 49	322
ζ Cygni ...	3.4	22 20	328
ι Pegasi ...	4.0	23 36	314
η Pegasi ...	3.1	23 51	328

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Arietis ...	2.7	0 7	55
α Arietis ...	2.2	0 28	48
17 Tauri ...	3.8	2 7	47
η Tauri ...	3.0	2 10	47
γ Tauri ...	3.9	2 23	66
ε Tauri ...	3.6	2 37	59
α Tauri ...	1.1	2 40	64
ζ Tauri ...	3.0	3 52	53
β Tauri ...	1.8	4 8	33
μ Geminorum ...	3.2	4 41	50
γ Geminorum ...	1.9	4 42	64
ε Geminorum ...	3.2	5 11	43
δ Geminorum ...	3.5	5 37	51
β Geminorum ...	1.2	6 26	34
ε Leonis ...	3.1	8 9	46
γ ¹ Leonis ...	2.6	8 32	55
θ Leonis ...	3.4	9 18	65
δ Leonis ...	2.6	9 29	53
β Leonis ...	2.2	9 52	67
η Boötis ...	2.8	12 4	59
α Boötis ...	0.2	12 27	57
ε Boötis ...	2.7	13 23	37
ρ Boötis ...	3.8	13 30	26
γ Serpentis ...	3.9	14 1	65
α Coronæ Boreal.	2.3	14 11	38
γ Herculis ...	3.8	14 32	58
β Herculis ...	2.8	14 47	52
δ Herculis ...	3.2	15 43	44
ε Herculis ...	3.9	16 1	24
μ Herculis ...	3.5	16 26	36
β Cygni ...	3.2	18 10	36
α Delphini ...	3.9	18 44	66
ζ Cygni ...	3.4	20 5	29
ι Pegasi ...	4.0	20 34	44
μ Pegasi ...	3.7	21 14	46
η Pegasi ...	3.1	21 34	29
β Pegasi ...	2.5	21 43	36
α Andromedæ ...	2.2	22 52	33
δ Andromedæ ...	3.5	23 35	27

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 2	120
ε Eridani ...	3.8	1 42	117
δ Eridani ...	3.7	1 52	118
γ Eridani ...	3.2	2 17	127
53 Eridani ...	4.0	2 58	128
β Orionis ...	0.3	3 21	114
μ Leporis ...	3.3	3 40	133
κ Orionis ...	2.2	3 57	117
ε Leporis ...	3.3	4 4	152
α Leporis ...	2.7	4 6	137
β Leporis ...	3.0	4 15	146
β Canis Majoris	2.0	4 56	137
α Canis Majoris	1.6	5 14	134
α Hydræ ...	2.2	7 34	114
ν Hydræ ...	3.3	9 14	131
δ Crateris ...	3.8	9 39	128
γ Corvi ...	2.8	10 45	135
δ Corvi ...	3.1	10 55	132
ε Corvi ...	3.2	11 5	151
β Corvi ...	2.8	11 34	154
α Virginis ...	1.2	11 35	120
γ Hydræ ...	3.3	12 17	153
α Libræ ...	2.9	13 14	131
β Libræ ...	2.7	13 25	116
β ¹ Scorpii ...	2.9	14 45	142
ζ Ophiuchi ...	2.7	14 47	119
δ Scorpii ...	2.5	14 56	152
η Ophiuchi ...	2.6	15 34	131
ν Ophiuchi ...	3.5	16 8	117
μ Sagittarii ...	4.0	17 2	147
ξ Sagittarii ...	3.6	17 46	147
π Sagittarii ...	3.0	17 58	147
α ² Capricorni ...	3.8	18 34	124
β Capricorni ...	3.3	18 42	130
ε Aquarii ...	3.8	18 56	117
δ Capricorni ...	3.0	20 14	133
ζ Capricorni ...	3.9	20 27	154
λ Aquarii ...	3.8	20 57	114
δ Aquarii ...	3.5	21 20	133
c ² Aquarii ...	3.8	22 1	149
ι Ceti ...	3.8	22 27	116
β Ceti ...	2.2	23 18	139
θ Ceti ...	3.8	23 31	115

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
c ² Aquarii ...	3.8	0 9	211
δ Aquarii ...	3.5	0 20	227
β Ceti ...	2.2	2 0	221
ι Ceti ...	3.8	2 3	244
θ Ceti ...	3.8	3 9	245
ζ Ceti ...	3.9	3 32	240
ε Eridani ...	3.8	5 16	243
δ Eridani ...	3.7	5 26	242
γ Eridani ...	3.2	5 32	233
ε Leporis ...	3.3	6 0	208
53 Eridani ...	4.0	6 10	232
β Leporis ...	3.0	6 35	214
μ Leporis ...	3.3	6 38	227
α Leporis ...	2.7	6 52	223
β Orionis ...	0.3	7 1	246
κ Orionis ...	2.2	7 31	243
β Canis Majoris	2.0	7 42	223
α Canis Majoris	-1.6	8 10	226
α Hydræ ...	2.2	11 14	246
ν Hydræ ...	3.3	12 18	229
δ Crateris ...	3.8	12 51	232
ε Corvi ...	3.2	13 7	209
β Corvi ...	2.8	13 26	206
γ Corvi ...	2.8	13 39	225
δ Corvi ...	3.1	13 57	228
γ Hydræ ...	3.3	14 11	207
α Virginis ...	1.2	15 7	240
α Libræ ...	2.9	16 18	229
δ Scorpīi ...	2.5	16 54	208
β Libræ ...	2.7	17 1	244
β ¹ Scorpīi ...	2.9	17 17	218
ζ Ophiuchi ...	2.7	18 19	241
η Ophiuchi ...	2.6	18 38	229
μ Sagittarii ...	4.0	19 16	213
ν Ophiuchi ...	3.5	19 42	243
ξ Sagittarii ...	3.6	20 0	212
π Sagittarii ...	3.0	20 12	213
β Capricorni ...	3.3	21 50	230
α ² Capricorni ...	3.8	21 54	236
ζ Capricorni ...	3.9	22 17	206
ε Aquarii ...	3.8	22 30	243
δ Capricorni ...	3.0	23 12	227

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Pegasi ...	2.5	0 17	324
μ Pegasi ...	3.7	0 18	314
α Andromedæ ...	2.2	1 16	327
δ Andromedæ ...	3.5	1 35	333
β Arietis ...	2.7	3 33	305
α Arietis ...	2.2	3 38	312
17 Tauri ...	3.8	5 13	313
η Tauri ...	3.0	5 16	313
γ Tauri ...	3.9	6 7	294
ε Tauri ...	3.6	6 11	301
α Tauri ...	1.1	6 22	296
β Tauri ...	1.8	6 34	327
ζ Tauri ...	3.0	7 14	307
μ Geminorum ...	3.2	7 55	310
ε Geminorum ...	3.2	8 7	317
γ Geminorum ...	1.9	8 24	296
δ Geminorum ...	3.5	8 53	309
β Geminorum ...	1.2	8 54	326
ε Leonis ...	3.1	11 13	314
γ ¹ Leonis ...	2.6	11 58	305
δ Leonis ...	2.6	12 51	307
θ Leonis ...	3.4	13 2	395
β Leonis ...	2.2	13 38	293
ρ Boötis ...	3.8	15 26	334
η Boötis ...	2.8	15 38	301
α Boötis ...	0.2	15 57	303
ε Boötis ...	2.7	15 59	323
α Coronæ Boreal.	2.3	16 51	322
γ Serpentis ...	3.9	17 45	295
ε Herculis ...	3.9	17 53	336
γ Herculis ...	3.8	18 4	302
β Herculis ...	2.8	18 7	308
δ Herculis ...	3.2	18 41	316
μ Herculis ...	3.5	19 0	324
β Cygni ...	3.2	20 44	324
ζ Cygni ...	3.4	22 13	331
α Delphini ...	3.9	22 28	294
ι Pegasi ...	4.0	23 32	316
η Pegasi ...	3.1	23 44	331

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Arietis ...	2.7	0 9	53
α Arietis ...	2.2	0 31	46
17 Tauri ...	3.8	2 10	45
η Tauri ...	3.0	2 13	45
γ Tauri ...	3.9	2 24	64
ε Tauri ...	3.6	2 39	57
α Tauri ...	1.1	2 42	62
ζ Tauri ...	3.0	3 55	51
β Tauri ...	1.8	4 14	30
μ Geminorum ...	3.2	4 44	47
γ Geminorum ...	1.9	4 44	62
ε Geminorum ...	3.2	5 15	40
δ Geminorum ...	3.5	5 40	49
β Geminorum ...	1.2	6 32	31
ε Leonis ...	3.1	8 13	43
γ ¹ Leonis ...	2.6	8 35	53
θ Leonis ...	3.4	9 20	63
δ Leonis ...	2.6	9 32	51
β Leonis ...	2.2	9 53	65
η Boötis ...	2.8	12 6	57
α Boötis ...	0.2	12 29	55
ε Boötis ...	2.7	13 28	34
γ Serpentis ...	3.9	14 3	63
α Coronæ Boreal.	2.3	14 16	35
γ Herculis ...	3.8	14 34	56
β Herculis ...	2.8	14 50	50
α Herculis ...	3.5	15 18	66
δ Herculis ...	3.2	15 46	41
μ Herculis ...	3.5	16 32	33
β Cygni ...	3.2	18 16	33
α Delphini ...	3.9	18 45	64
ζ Cygni ...	3.4	20 12	25
ι Pegasi ...	4.0	20 38	42
α Pegasi ...	2.6	21 9	65
μ Pegasi ...	3.7	21 18	43
η Pegasi ...	3.1	21 41	26
β Pegasi ...	2.5	21 48	33
γ Pegasi ...	2.9	22 17	65
α Andromedæ ...	2.2	22 58	30
η Piscium ...	3.7	23 35	65
δ Andromedæ ...	3.5	23 43	23

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 0	118
ε Eridani ...	3.8	1 40	115
δ Eridani ...	3.7	1 50	116
γ Eridani ...	3.2	2 14	125
53 Eridani ...	4.0	2 55	126
μ Leporis ...	3.3	3 36	131
κ Orionis ...	2.2	3 54	115
ε Leporis ...	3.3	3 57	149
α Leporis ...	2.7	4 1	135
β Leporis ...	3.0	4 9	143
β Canis Majoris	2.0	4 51	135
α Canis Majoris	1.6	5 10	131
α ² Canis Majoris	3.1	6 3	153
ρ Argus ...	2.9	7 11	155
α Hydræ ...	2.2	7 32	112
ν Hydræ ...	3.3	9 11	129
δ Crateris ...	3.8	9 36	126
γ Corvi ...	2.8	10 41	133
δ Corvi ...	3.1	10 52	130
ε Corvi ...	3.2	10 59	148
β Corvi ...	2.8	11 27	150
α Virginis ...	1.2	11 33	118
γ Hydræ ...	3.3	12 10	149
α Libræ ...	2.9	13 11	129
β Libræ ...	2.7	13 22	114
β ¹ Scorpæ ...	2.9	14 40	139
ζ Ophiuchi ...	2.7	14 45	117
δ Scorpæ ...	2.5	14 49	148
η Ophiuchi ...	2.6	15 30	129
ν Ophiuchi ...	3.5	16 6	115
μ Sagittarii ...	4.0	16 56	144
ξ Sagittarii ...	3.6	17 41	145
π Sagittarii ...	3.0	17 52	144
α ² Capricorni ...	3.8	18 31	122
β Capricorni ...	3.3	18 39	128
ε Aquarii ...	3.8	18 54	115
δ Capricorni ...	3.0	20 11	131
ζ Capricorni ...	3.9	20 19	150
δ Aquarii ...	3.5	21 17	131
α ² Aquarii ...	3.8	21 55	146
ι Ceti ...	3.8	22 25	114
β Ceti ...	2.2	23 13	136

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
c ² Aquarii ...	3.8	0 15	214
δ Aquarii ...	3.5	0 23	229
ι Ceti ...	3.8	2 5	246
β Ceti ...	2.2	2 5	224
θ Ceti ...	3.8	3 11	247
ζ Ceti ...	3.9	3 34	242
ε Eridani ...	3.8	5 18	245
δ Eridani ...	3.7	5 28	244
γ Eridani ...	3.2	5 35	235
ε Leporis ...	3.3	6 7	211
53 Eridani ...	4.0	6 13	234
β Leporis ...	3.0	6 41	217
μ Leporis ...	3.3	6 42	229
α Leporis ...	2.7	6 57	225
κ Orionis ...	2.2	7 34	245
β Canis Majoris	2.0	7 47	225
α ² Canis Majoris	3.1	7 57	207
α Canis Majoris	1.6	8 14	229
ρ Argus ...	2.9	8 57	205
α Hydræ ...	2.2	11 16	248
ν Hydræ ...	3.3	12 21	231
δ Crateris ...	3.8	12 54	234
ε Corvi ...	3.2	13 13	212
β Corvi ...	2.8	13 33	210
γ Corvi ...	2.8	13 43	227
δ Corvi ...	3.1	14 0	230
γ Hydræ ...	3.3	14 18	211
α Virginis ...	1.2	15 9	242
α Libræ ...	2.9	16 21	231
δ Scorp̄ii ...	2.5	17 1	212
β Libræ ...	2.7	17 4	246
β ¹ Scorp̄ii ...	2.9	17 22	221
ζ Ophiuchi ...	2.7	18 21	243
η Ophiuchi ...	2.6	18 42	231
μ Sagittarii ...	4.0	19 22	216
ν Ophiuchi ...	3.5	19 44	245
ξ Sagittarii ...	3.6	20 5	215
π Sagittarii ...	3.0	20 18	216
β Capricorni ...	3.3	21 53	232
α ² Capricorni ...	3.8	21 57	238
ζ Capricorni ...	3.9	22 25	210
ε Aquarii ...	3.8	22 32	245
δ Capricorni ...	3.0	23 15	229

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Pegasi ...	2.5	0 12	327
μ Pegasi ...	2.7	0 14	317
α Pegasi ...	2.6	0 53	295
α Andromedæ ...	2.2	1 10	330
δ Andromedæ ...	3.5	1 27	337
γ Pegasi ...	2.9	2 1	295
η Piscium ...	3.7	3 19	295
β Arietis ...	2.7	3 30	307
α Arietis ...	2.2	3 35	314
17 Tauri ...	3.8	5 10	315
η Tauri ...	3.0	5 13	315
γ Tauri ...	3.9	6 6	296
ε Tauri ...	3.6	6 9	303
α Tauri ...	1.1	6 20	298
β Tauri ...	1.8	6 28	330
ζ Tauri ...	3.0	7 11	309
μ Geminorum ...	3.2	7 52	313
ε Geminorum ...	3.2	8 3	320
γ Geminorum ...	1.9	8 22	298
β Geminorum ...	1.2	8 48	329
δ Geminorum ...	3.5	8 50	311
ε Leonis ...	3.1	11 9	317
γ ¹ Leonis ...	2.6	11 55	307
δ Leonis ...	2.6	12 48	309
θ Leonis ...	3.4	13 0	297
β Leonis ...	2.2	13 37	295
η Boötis ...	2.8	15 36	303
ε Boötis ...	2.7	15 54	326
α Boötis ...	0.2	15 55	305
α Coronæ Boreal.	2.3	16 46	325
γ Serpentis ...	3.9	17 43	297
γ Herculis ...	3.8	18 2	304
β Herculis ...	2.8	18 4	310
δ Herculis ...	3.2	18 38	319
μ Herculis ...	3.5	18 54	327
α Herculis ...	3.5	19 4	294
β Cygni ...	3.2	20 38	327
ζ Cygni ...	3.4	22 6	335
α Delphini ...	3.9	22 27	296
ι Pegasi ...	4.0	23 28	318
η Pegasi ...	3.1	23 37	334

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Arietis ...	2·7	0 13	51
α Arietis ...	2·2	0 35	44
17 Tauri ...	3·8	2 14	42
η Tauri ...	3·0	2 17	42
γ Tauri ...	3·9	2 26	62
ε Tauri ...	3·6	2 42	54
α Tauri ...	1·1	2 44	60
ζ Tauri ...	3·0	3 58	49
β Tauri ...	1·8	4 22	27
γ Geminorum ...	1·9	4 46	60
μ Geminorum ...	3·2	4 48	45
ε Geminorum ...	3·2	5 20	38
δ Geminorum ...	3·5	5 43	46
β Geminorum ...	1·2	6 39	28
ε Leonis ...	3·1	8 17	41
γ ¹ Leonis ...	2·6	8 38	51
θ Leonis ...	3·4	9 22	61
δ Leonis ...	2·6	9 35	49
β Leonis ...	2·2	9 55	63
η Boötis ...	2·8	12 9	54
α Boötis ...	0·2	12 32	53
ε Boötis ...	2·7	13 34	31
γ Serpentis ...	3·9	14 5	61
α Coronæ Boreal.	2·3	14 22	32
γ Herculis ...	3·8	14 37	53
β Herculis ...	2·8	14 54	47
α Herculis ...	3·5	15 20	64
δ Herculis ...	3·2	15 51	39
μ Herculis ...	3·5	16 39	29
ζ Aquilæ ...	3·0	17 10	66
β Cygni ...	3·2	18 23	29
α Delphini ...	3·9	18 47	62
ι Pegasi ...	4·0	20 42	39
α Pegasi ...	2·6	21 11	63
μ Pegasi ...	3·7	21 23	41
β Pegasi ...	2·5	21 55	30
γ Pegasi ...	2·9	22 19	64
α Andromedæ ...	2·2	23 6	26
η Piscium ...	3·7	23 37	63

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ε Eridani ...	3·8	1 38	113
δ Eridani ...	3·7	1 48	114
γ Eridani ...	3·2	2 11	122
53 Eridani ...	4·0	2 53	124
μ Leporis ...	3·3	3 32	128
ε Leporis ...	3·3	3 51	146
α Leporis ...	2·7	3 57	132
β Leporis ...	3·0	4 4	140
β Canis Majoris	2·0	4 47	132
α Canis Majoris	1·6	5 6	129
α ² Canis Majoris	3·1	5 55	149
ξ Argus ...	3·5	6 48	153
ρ Argus ...	2·9	7 2	151
α Hydræ ...	2·2	7 31	110
ν Hydræ ...	3·3	9 8	127
δ Crateris ...	3·8	9 33	124
γ Corvi ...	2·8	10 38	130
δ Corvi ...	3·1	10 49	128
ε Corvi ...	3·2	10 53	145
β Corvi ...	2·8	11 21	147
α Virginis ...	1·2	11 31	116
γ Hydræ ...	3·3	12 3	146
α Libræ ...	2·9	13 8	127
γ Scorpæ ...	3·4	14 4	154
β ¹ Scorpæ ...	2·9	14 36	137
δ Scorpæ ...	2·5	14 43	145
ζ Ophiuchi ...	2·7	14 43	115
σ Scorpæ ...	3·1	15 26	157
η Ophiuchi ...	2·6	15 27	127
θ Ophiuchi ...	3·4	16 21	154
μ Sagittarii ...	4·0	16 51	141
ξ Sagittarii ...	3·6	17 35	142
π Sagittarii ...	3·0	17 47	141
α ² Capricorni	3·8	18 29	120
β Capricorni ...	3·3	18 36	125
δ Capricorni ...	3·0	20 7	129
ζ Capricorni ...	3·9	20 13	147
δ Aquarii ...	3·5	21 13	128
α ² Aquarii ...	3·8	21 49	143
β Ceti ...	2·2	23 9	134
ζ Ceti ...	3·9	23 58	116

SW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
α ² Aquarii ...	3·8	0 21	217
δ Aquarii ...	3·5	0 27	232
β Ceti ...	2·2	2 9	226
θ Ceti ...	3·8	3 13	249
ζ Ceti ...	3·9	3 36	244
ε Eridani ...	3·8	5 20	247
δ Eridani ...	3·7	5 30	246
γ Eridani ...	3·2	5 37	238
ε Leporis ...	3·3	6 14	214
53 Eridani ...	4·0	6 15	236
μ Leporis ...	3·3	6 46	232
β Leporis ...	3·0	6 46	220
α Leporis ...	2·7	7 1	228
β Canis Majoris	2·0	7 51	228
α ² Canis Majoris	3·1	8 5	211
α Canis Majoris	1·6	8 18	231
ξ Argus ...	3·5	8 44	207
ρ Argus ...	2·9	9 6	209
α Hydræ ...	2·2	11 17	250
ν Hydræ ...	3·3	12 24	233
δ Crateris...	3·8	12 57	236
ε Corvi ...	3·2	13 19	215
β Corvi ...	2·8	13 40	213
γ Corvi ...	2·8	13 46	230
δ Corvi ...	3·1	14 3	232
γ Hydræ ...	3·3	14 25	214
α Virginis...	1·2	15 11	244
γ Scorpii ...	3·4	15 54	206
α Libræ ...	2·9	16 24	233
σ Scorpii ...	3·1	17 6	203
δ Scorpii ...	2·5	17 7	215
β ¹ Scorpii ...	2·9	17 26	223
θ Ophiuchi ...	3·4	18 13	206
ζ Ophiuchi ...	2·7	18 23	245
η Ophiuchi ...	2·6	18 45	233
μ Sagittarii ...	4·0	19 27	219
ξ Sagittarii ...	3·6	20 11	218
π Sagittarii ...	3·0	20 23	219
β Capricorni ...	3·3	21 56	235
α ² Capricorni ...	3·8	21 59	240
ζ Capricorni ...	3·9	22 31	213
δ Capricorni ...	3·0	23 19	231

NW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
β Pegasi ...	2·5	0 5	330
μ Pegasi ...	3·7	0 9	319
α Pegasi ...	2·6	0 51	297
α Andromedæ ...	2·2	1 2	334
γ Pegasi ...	2·9	1 59	296
η Piscium...	3·7	3 17	297
β Arietis ...	2·7	3 27	309
α Arietis ...	2·2	3 31	316
17 Tauri ...	3·8	5 6	318
η Tauri ...	3·0	5 9	318
γ Tauri ...	3·9	6 4	298
ε Tauri ...	3·6	6 6	306
α Tauri ...	1·1	6 18	300
β Tauri ...	1·8	6 20	333
ζ Tauri ...	3·0	7 8	311
μ Geminorum ...	3·2	7 48	315
ε Geminorum ...	3·2	7 58	322
γ Geminorum ...	1·9	8 20	300
β Geminorum ...	1·2	8 41	332
δ Geminorum ...	3·5	8 47	314
ε Leonis ...	3·1	11 5	319
γ ¹ Leonis ...	2·6	11 52	309
δ Leonis ...	2·6	12 45	311
θ Leonis ...	3·4	12 58	299
β Leonis ...	2·2	13 35	297
η Boötis ...	2·8	15 33	306
ε Boötis ...	2·7	15 48	329
α Boötis ...	0·2	15 52	307
α Coronæ Boreal.	2·3	16 40	328
γ Serpentis ...	3·9	17 41	299
γ Herculis ...	3·8	17 59	307
β Herculis ...	2·8	18 0	313
δ Herculis ...	3·2	18 33	321
μ Herculis ...	3·5	18 47	331
α Herculis ...	3·5	19 2	296
β Cygni ...	3·2	20 31	331
ζ Aquilæ ...	3·0	20 54	294
α Delphini ...	3·9	22 25	298
ι Pegasi ...	4·0	23 24	321

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Arietis ...	2.7	0 17	48
α Arietis ...	2.2	0 39	41
17 Tauri ...	3.8	2 19	39
η Tauri ...	3.0	2 22	39
γ Tauri ...	3.9	2 28	60
α Tauri ...	1.1	2 46	58
ε Tauri ...	3.6	2 46	52
ζ Tauri ...	3.0	4 2	47
β Tauri ...	1.8	4 30	23
γ Geminorum ...	1.9	4 49	58
ξ Geminorum ...	3.4	4 50	65
μ Geminorum ...	3.2	4 52	43
ε Geminorum ...	3.2	5 26	35
δ Geminorum ...	3.5	5 47	44
β Geminorum ...	1.2	6 47	24
ε Leonis ...	3.1	8 22	38
γ ¹ Leonis ...	2.6	8 41	49
θ Leonis ...	3.4	9 24	59
δ Leonis ...	2.6	9 38	47
β Leonis ...	2.2	9 58	61
η Boötis ...	2.8	12 13	52
α Boötis ...	0.2	12 36	50
ε Boötis ...	2.7	13 42	27
γ Serpentis ...	3.9	14 7	59
α Coronæ Boreal.	2.3	14 29	29
γ Herculis ...	3.8	14 41	51
β Herculis ...	2.8	14 58	45
α Herculis ...	3.5	15 22	62
α Ophiuchi ...	2.1	15 39	66
δ Herculis ...	3.2	15 57	36
μ Herculis ...	3.5	16 47	25
ζ Aquilæ ...	3.0	17 12	64
β Cygni ...	3.2	18 31	25
α Delphini ...	3.9	18 49	60
ι Pegasi ...	4.0	20 48	36
α Pegasi ...	2.6	21 13	61
μ Pegasi ...	3.7	21 28	38
β Pegasi ...	2.5	22 3	26
γ Pegasi ...	2.9	22 21	62
η Piscium ...	3.7	23 39	61

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ε Eridani ...	3.8	1 36	111
γ Eridani ...	3.2	2 8	120
53 Eridani ...	4.0	2 50	122
μ Leporis ...	3.3	3 29	126
ε Leporis ...	3.3	3 45	143
α Leporis ...	2.7	3 54	130
β Leporis ...	3.0	4 1	138
β Canis Majoris	2.0	4 44	130
α Canis Majoris	1.6	5 3	127
o ² Canis Majoris	3.1	5 49	146
δ Canis Majoris	2.0	6 13	156
ξ Argus ...	3.5	6 41	149
ρ Argus ...	2.9	6 56	148
α Hydræ ...	2.2	7 29	108
ν Hydræ ...	3.3	9 5	125
δ Crateris ...	3.8	9 31	122
γ Corvi ...	2.8	10 35	128
δ Corvi ...	3.1	10 46	125
ε Corvi ...	3.2	10 48	142
β Corvi ...	2.8	11 15	144
γ Hydræ ...	3.3	11 58	143
α Libræ ...	2.9	13 5	125
π Hydræ ...	3.5	13 10	156
γ Scorpæ ...	3.4	13 57	151
β ¹ Scorpæ ...	2.9	14 32	134
δ Scorpæ ...	2.5	14 37	142
π Scorpæ ...	3.0	14 58	154
σ Scorpæ ...	3.1	15 17	152
η Ophiuchi ...	2.6	15 24	124
α Scorpæ ...	1.2	15 31	156
θ Ophiuchi ...	3.4	16 14	150
μ Sagittariæ ...	4.0	16 46	139
λ Sagittariæ ...	2.9	17 25	153
ξ Sagittariæ ...	3.6	17 30	139
π Sagittariæ ...	3.0	17 42	139
σ Sagittariæ ...	2.1	17 59	157
α ² Capricorni ...	3.8	18 27	118
β Capricorni ...	3.3	18 33	123
δ Capricorni ...	3.0	20 4	126
ζ Capricorni ...	3.9	20 7	144
δ Aquarii ...	3.5	21 10	126
c ² Aquarii ...	3.8	21 44	140
β Ceti ...	2.2	23 6	131
ζ Ceti ...	3.9	23 56	114

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
c ² Aquarii ...	3.8	0 26	220
δ Aquarii ...	3.5	0 30	234
β Ceti ...	2.2	2 12	229
θ Ceti ...	3.8	3 14	251
ζ Ceti ...	3.9	3 38	246
ε Eridani ...	3.8	5 22	249
γ Eridani ...	3.2	5 40	240
53 Eridani ...	4.0	6 18	238
ε Leporis ...	3.3	6 19	217
μ Leporis ...	3.3	6 49	234
β Leporis ...	3.0	6 49	222
α Leporis ...	2.7	7 4	230
β Canis Majoris	2.0	7 54	230
δ Canis Majoris	2.0	7 57	204
o ² Canis Majoris	3.1	8 11	214
α Canis Majoris	1.6	8 21	233
ξ Argus ...	3.5	8 51	211
ρ Argus ...	2.9	9 12	212
α Hydræ ...	2.2	11 19	252
ν Hydræ ...	3.3	12 27	235
δ Crateris ...	3.8	12 59	238
ε Corvi ...	3.2	13 24	218
β Corvi ...	2.8	13 45	216
γ Corvi ...	2.8	13 49	232
δ Corvi ...	3.1	14 6	235
γ Hydræ ...	3.3	14 30	217
π Hydræ ...	3.5	14 54	204
γ Scorpii ...	3.4	16 1	209
α Libræ ...	2.9	16 27	235
π Scorpii ...	3.0	16 50	206
δ Scorpii ...	2.5	17 13	218
σ Scorpii ...	3.1	17 15	208
α Scorpii ...	1.2	17 17	204
β ¹ Scorpii ...	2.9	17 30	226
θ Ophiuchi ...	3.4	18 20	210
η Ophiuchi ...	2.6	18 48	236
λ Sagittarii ...	2.9	19 21	207
μ Sagittarii ...	4.0	19 32	221
σ Sagittarii ...	2.1	19 41	203
ξ Sagittarii ...	3.6	20 16	221
π Sagittarii ...	3.0	20 28	221
β Capricorni ...	3.3	21 59	237
α ² Capricorni ...	3.8	22 1	242
ζ Capricorni ...	3.9	22 37	216
δ Capricorni ...	3.0	23 22	233

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
μ Pegasi ...	3.7	0 4	322
α Pegasi ...	2.6	0 49	299
γ Pegasi ...	2.9	1 57	298
η Piscium ...	3.7	3 15	299
β Arietis ...	2.7	3 23	312
α Arietis ...	2.2	3 27	319
17 Tauri ...	3.8	5 1	321
η Tauri ...	3.0	5 4	321
ε Tauri ...	3.6	6 2	308
γ Tauri ...	3.9	6 2	300
β Tauri ...	1.8	6 12	337
α Tauri ...	1.1	6 16	302
ζ Tauri ...	3.0	7 4	313
μ Geminorum ...	3.2	7 44	317
ε Geminorum ...	3.2	7 52	325
γ Geminorum ...	1.9	8 17	302
ξ Geminorum ...	3.4	8 32	295
β Geminorum ...	1.2	8 33	336
δ Geminorum ...	3.5	8 43	316
ε Leonis ...	3.1	10 59	322
γ ¹ Leonis ...	2.6	11 49	311
δ Leonis ...	2.6	12 42	313
θ Leonis ...	3.4	12 56	301
β Leonis ...	2.2	13 32	299
η Boötis ...	2.8	15 29	308
ε Boötis ...	2.7	15 40	333
α Boötis ...	0.2	15 48	310
α Coronæ Boreal.	2.3	16 33	331
γ Serpentis ...	3.9	17 39	301
γ Herculis ...	3.8	17 55	309
β Herculis ...	2.8	17 56	315
δ Herculis ...	3.2	18 27	324
μ Herculis ...	3.5	18 39	335
α Herculis ...	3.5	19 0	298
α Ophiuchi ...	2.1	19 23	294
β Cygni ...	3.2	20 23	335
ζ Aquilæ ...	3.0	20 52	296
α Delphini ...	3.9	22 23	300
ι Pegasi ...	4.0	23 18	324
β Pegasi ...	2.5	23 57	334

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Arietis ...	2.7	0 20	46
α Arietis ...	2.2	0 44	38
17 Tauri ...	3.8	2 25	36
η Tauri ...	3.0	2 28	36
γ Tauri ...	3.9	2 31	58
α Tauri ...	1.1	2 49	56
ε Tauri ...	3.6	2 50	50
ζ Tauri ...	3.0	4 6	44
γ Geminorum ...	1.9	4 51	56
ξ Geminorum ...	3.4	4 52	63
μ Geminorum ...	3.2	4 57	40
ε Geminorum ...	3.2	5 32	32
δ Geminorum ...	3.5	5 52	41
α Leonis ...	1.3	8 14	65
ε Leonis ...	3.1	8 28	35
γ ¹ Leonis ...	2.6	8 45	46
θ Leonis ...	3.4	9 27	57
δ Leonis ...	2.6	9 42	44
β Leonis ...	2.2	10 0	59
η Boötis ...	2.8	12 16	50
α Boötis ...	0.2	12 40	48
γ Serpentis ...	3.9	14 10	57
α Coronæ Boreal.	2.3	14 36	25
γ Herculis ...	3.8	14 45	49
β Herculis ...	2.8	15 2	42
α Herculis ...	3.5	15 24	60
α Ophiuchi ...	2.1	15 41	64
δ Herculis ...	3.2	16 3	33
ζ Aquilæ ...	3.0	17 14	62
α Delphini ...	3.9	18 52	58
ι Pegasi ...	4.0	20 54	33
α Pegasi ...	2.6	21 15	59
μ Pegasi ...	3.7	21 33	35
γ Pegasi ...	2.9	22 23	60
η Piscium ...	3.7	23 41	59

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ε Eridani ...	3.8	1 35	110
γ Eridani ...	3.2	2 6	118
53 Eridani ...	4.0	2 47	120
μ Leporis ...	3.3	3 27	124
ε Leporis ...	3.3	3 40	140
α Leporis ...	2.7	3 51	128
β Leporis ...	3.0	3 57	135
β Canis Majoris.	2.0	4 41	128
α Canis Majoris.	-1.6	5 0	125
o ² Canis Majoris.	3.1	5 44	143
δ Canis Majoris.	2.0	6 4	152
ξ Argus ...	3.5	6 35	146
ρ Argus ...	2.9	6 50	145
α Hydræ ...	2.2	7 28	107
ν Hydræ ...	3.3	9 3	123
δ Crateris ...	3.8	9 28	120
γ Corvi ...	2.8	10 32	126
ε Corvi ...	3.2	10 43	139
δ Corvi ...	3.1	10 43	123
β Corvi ...	2.8	11 10	141
γ Hydræ ...	3.3	11 53	140
π Hydræ ...	3.5	13 1	152
α Libræ ...	2.9	13 2	123
γ Scorpīi ...	3.4	13 50	148
β ¹ Scorpīi ...	2.9	14 28	132
δ Scorpīi ...	2.5	14 32	139
π Scorpīi ...	3.0	14 51	151
σ Scorpīi ...	3.1	15 10	149
η Ophiuchi ...	2.6	15 22	122
α Scorpīi ...	1.2	15 23	152
θ Ophiuchi ...	3.4	16 7	147
μ Sagittarii ...	4.0	16 41	136
λ Sagittarii ...	2.9	17 18	149
ξ Sagittarii ...	3.6	17 26	136
π Sagittarii ...	3.0	17 38	136
φ Sagittarii ...	3.3	17 47	155
σ Sagittarii ...	2.1	17 50	153
α ² Capricorni ...	3.8	18 25	116
β Capricorni ...	3.3	18 30	121
δ Capricorni ...	3.0	20 1	125
ζ Capricorni ...	3.9	20 2	141
δ Aquarii ...	3.5	21 7	124
c ² Aquarii ...	3.8	21 39	137
β Ceti ...	2.2	23 2	129
ζ Ceti ...	3.9	23 54	112

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
c ² Aquarii ...	3.8	0 31	223
δ Aquarii ...	3.5	0 33	236
β Ceti ...	2.2	2 16	231
θ Ceti ...	3.8	3 16	253
ε Eridani ...	3.8	5 23	250
γ Eridani ...	3.2	5 42	242
53 Eridani ...	4.0	6 21	240
ε Leporis ...	3.3	6 24	220
μ Leporis ...	3.3	6 51	236
β Leporis ...	3.0	6 53	225
α Leporis ...	2.7	7 7	232
β Canis Majoris	2.0	7 57	232
δ Canis Majoris	2.0	8 6	208
α ² Canis Majoris	3.1	8 16	217
α Canis Majoris	1.6	8 24	235
ξ Argus ...	3.5	8 57	214
ρ Argus ...	2.9	9 18	215
α Hydræ ...	2.2	11 20	253
ν Hydræ ...	3.3	12 29	237
δ Crateris ...	3.8	13 2	240
ε Corvi ...	3.2	13 29	221
β Corvi ...	2.8	13 50	219
γ Corvi ...	2.8	13 52	234
δ Corvi ...	3.1	14 9	237
γ Hydræ ...	3.3	14 35	220
π Hydræ ...	3.5	15 3	208
γ Scorpïi ...	3.4	16 8	212
α Libræ ...	2.9	16 30	237
π Scorpïi ...	3.0	16 57	209
δ Scorpïi ...	2.5	17 18	221
σ Scorpïi ...	3.1	17 22	211
α Scorpïi ...	1.2	17 25	208
β ¹ Scorpïi ...	2.9	17 34	228
θ Ophiuchi ...	3.4	18 27	213
η Ophiuchi ...	2.6	18 50	238
λ Sagittarii ...	2.9	19 28	211
φ Sagittarii ...	3.3	19 35	205
μ Sagittarii ...	4.0	19 37	224
σ Sagittarii ...	2.1	19 50	207
ξ Sagittarii ...	3.6	20 20	224
π Sagittarii ...	3.0	20 32	224
β Capricorni ...	3.3	22 2	239
α ² Capricorni ...	3.8	22 3	244
ζ Capricorni ...	3.9	22 42	219
δ Capricorni ...	3.0	23 25	235

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Pegasi ...	2.6	0 47	301
γ Pegasi ...	2.9	1 55	300
η Piscium ...	3.7	3 13	301
β Arietis ...	2.7	3 20	314
α Arietis ...	2.2	3 22	322
17 Tauri ...	3.8	4 55	324
η Tauri ...	3.0	4 58	324
ε Tauri ...	3.6	5 58	310
γ Tauri ...	3.9	5 59	302
α Tauri ...	1.1	6 13	304
ζ Tauri ...	3.0	7 0	316
μ Geminorum ...	3.2	7 39	320
ε Geminorum ...	3.2	7 46	328
γ Geminorum ...	1.9	8 15	304
ξ Geminorum ...	3.4	8 30	297
δ Geminorum ...	3.5	8 38	319
ε Leonis ...	3.1	10 54	325
γ ¹ Leonis ...	2.6	11 45	314
α Leonis ...	1.3	11 54	295
δ Leonis ...	2.6	12 38	316
θ Leonis ...	3.4	12 53	303
β Leonis ...	2.2	13 30	301
η Boötis ...	2.8	15 26	310
α Boötis ...	0.2	15 44	312
α Coronæ Boreal.	2.3	16 26	335
γ Serpentis ...	3.9	17 36	303
γ Herculis ...	3.8	17 51	311
β Herculis ...	2.8	17 52	318
δ Herculis ...	3.2	18 21	327
α Herculis ...	3.5	18 58	300
α Ophiuchi ...	2.1	19 21	296
ζ Aquilæ ...	3.0	20 50	298
α Delphini ...	3.9	22 20	302
ι Pegasi ...	4.0	23 12	327
μ Pegasi ...	3.7	23 59	325

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Arietis ...	2.7	0 24	43
α Arietis ...	2.2	0 50	35
17 Tauri ...	3.8	2 31	33
η Tauri ...	3.0	2 34	33
γ Tauri ...	3.9	2 34	56
α Tauri ...	1.1	2 52	53
ϵ Tauri ...	3.6	2 53	47
ζ Tauri ...	3.0	4 10	41
γ Geminorum ...	1.9	4 54	53
ξ Geminorum ...	3.4	4 54	61
μ Geminorum ...	3.2	5 2	37
ϵ Geminorum ...	3.2	5 39	28
δ Geminorum ...	3.5	5 57	38
β Cancri ...	3.8	6 19	69
α Leonis ...	1.3	8 16	63
ϵ Leonis ...	3.1	8 34	32
γ^1 Leonis ...	2.6	8 49	44
θ Leonis ...	3.4	9 30	55
δ Leonis ...	2.6	9 46	42
β Leonis ...	2.2	10 3	57
ϵ Virginis ...	3.0	11 8	65
η Boötis ...	2.8	12 19	48
α Boötis ...	0.2	12 43	46
γ Serpentis ...	3.9	14 13	55
γ Herculis ...	3.8	14 48	46
β Herculis ...	2.8	15 7	40
α Herculis ...	3.5	15 27	58
α Ophiuchi ...	2.1	15 43	62
δ Herculis ...	3.2	16 10	29
ζ Aquilæ ...	3.0	17 16	60
ϵ Delphini ...	4.0	18 38	66
α Delphini ...	3.9	18 55	55
ι Pegasi ...	4.0	21 1	29
α Pegasi ...	2.6	21 18	57
μ Pegasi ...	3.7	21 39	32
γ Pegasi ...	2.9	22 26	58
η Piscium ...	3.7	23 44	57

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ϵ Eridani ...	3.8	1 34	108
γ Eridani ...	3.2	2 4	117
53 Eridani ...	4.0	2 45	118
μ Leporis ...	3.3	3 25	122
ϵ Leporis ...	3.3	3 35	137
α Leporis ...	2.7	3 48	126
β Leporis ...	3.0	3 53	133
β Canis Majoris ...	2.0	4 38	126
α Canis Majoris ...	1.6	4 58	123
α^2 Canis Majoris ...	3.1	5 39	141
δ Canis Majoris ...	2.0	5 57	149
22 Canis Majoris ...	3.7	6 2	154
ξ Argus ...	3.5	6 29	143
ρ Argus ...	2.9	6 45	142
α Hydræ ...	2.2	7 27	105
ν Hydræ ...	3.3	9 1	121
δ Crateris ...	3.8	9 26	118
γ Corvi ...	2.8	10 29	124
ϵ Corvi ...	3.2	10 38	136
δ Corvi ...	3.1	10 41	121
β Corvi ...	2.8	11 5	138
γ Hydræ ...	3.3	11 48	138
π Hydræ ...	3.5	12 54	149
α Libræ ...	2.9	13 0	121
γ Scorpæ ...	3.4	13 44	145
β^1 Scorpæ ...	2.9	14 24	130
δ Scorpæ ...	2.5	14 28	137
π Scorpæ ...	3.0	14 44	147
σ Scorpæ ...	3.1	15 4	146
α Scorpæ ...	1.2	15 16	148
η Ophiuchi ...	2.6	15 20	121
τ Scorpæ ...	2.9	15 36	155
θ Ophiuchi ...	3.4	16 1	144
μ Sagittariæ ...	4.0	16 37	133
λ Sagittariæ ...	2.9	17 11	146
ξ Sagittariæ ...	3.6	17 22	134
π Sagittariæ ...	3.0	17 34	134
ϕ Sagittariæ ...	3.3	17 39	152
σ Sagittariæ ...	2.1	17 43	149
τ Sagittariæ ...	3.4	18 6	154
β Capricorni ...	3.3	18 28	119
ζ Capricorni ...	3.9	19 57	138
δ Capricorni ...	3.0	19 59	123
δ Aquarii ...	3.5	21 5	122
α^2 Aquarii ...	3.8	21 35	135
β Ceti ...	2.2	22 59	127

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 35	238
c ² Aquarii ...	3.8	0 35	225
β Ceti ...	2.2	2 19	233
ε Eridani ...	3.8	5 24	252
γ Eridani ...	3.2	5 44	243
53 Eridani ...	4.0	6 23	242
ε Leporis ...	3.3	6 29	223
μ Leporis ...	3.3	6 53	238
β Leporis ...	3.0	6 57	227
α Leporis ...	2.7	7 10	234
22 Canis Majoris	3.7	7 54	206
β Canis Majoris	2.0	8 0	234
δ Canis Majoris	2.0	8 13	211
o ² Canis Majoris	3.1	8 21	219
α Canis Majoris	1.6	8 26	237
ξ Argus ...	3.5	9 3	217
ρ Argus ...	2.9	9 23	218
α Hydræ ...	2.2	11 21	255
ν Hydræ ...	3.3	12 31	239
δ Crateris ...	3.8	13 4	242
ε Corvi ...	3.2	13 34	224
γ Corvi ...	2.8	13 55	236
β Corvi ...	2.8	13 55	222
δ Corvi ...	3.1	14 11	239
γ Hydræ ...	3.3	14 40	222
π Hydræ ...	3.5	15 10	211
γ Scorpii ...	3.4	16 14	215
α Libræ ...	2.9	16 32	239
π Scorpii ...	3.0	17 4	213
δ Scorpii ...	2.5	17 22	223
τ Scorpii ...	2.9	17 26	205
σ Scorpii ...	3.1	17 28	214
α Scorpii ...	1.2	17 32	212
β ¹ Scorpii ...	2.9	17 38	230
θ Ophiuchi ...	3.4	18 33	216
η Ophiuchi ...	2.6	18 52	239
λ Sagittarii ...	2.9	19 35	214
μ Sagittarii ...	4.0	19 41	227
φ Sagittarii ...	3.3	19 43	208
σ Sagittarii ...	2.1	19 57	211
τ Sagittarii ...	3.4	19 58	206
ξ Sagittarii ...	3.6	20 24	226
π Sagittarii ...	3.0	20 36	226
β Capricorni ...	3.3	22 4	241
ζ Capricorni ...	3.9	22 47	222
δ Capricorni ...	3.0	23 27	237

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Pegasi ...	2.6	0 44	303
γ Pegasi ...	2.9	1 52	302
η Piscium ...	3.7	3 10	303
β Arietis ...	2.7	3 16	317
α Arietis ...	2.2	3 16	325
17 Tauri ...	3.8	4 49	327
η Tauri ...	3.0	4 52	327
ε Tauri ...	3.6	5 55	313
γ Tauri ...	3.9	5 56	304
α Tauri ...	1.1	6 10	307
ζ Tauri ...	3.0	6 56	319
μ Geminorum ...	3.2	7 34	323
ε Geminorum ...	3.2	7 39	332
γ Geminorum ...	1.9	8 12	307
ξ Geminorum ...	3.4	8 28	299
δ Geminorum ...	3.5	8 33	322
β Canis Minoris	3.1	9 18	289
β Cancri ...	3.8	10 5	291
ε Leonis ...	3.1	10 48	328
γ ¹ Leonis ...	2.6	11 41	316
α Leonis ...	1.3	11 52	297
δ Leonis ...	2.6	12 34	318
θ Leonis ...	3.4	12 50	305
β Leonis ...	2.2	13 27	303
ε Virginis ...	3.0	14 48	295
η Boötis ...	2.8	15 23	312
α Boötis ...	0.2	15 41	314
γ Serpentis ...	3.9	17 33	305
β Herculis ...	2.8	17 47	320
γ Herculis ...	3.8	17 48	314
δ Herculis ...	3.2	18 14	331
α Herculis ...	3.5	18 55	302
α Ophiuchi ...	2.1	19 19	298
ζ Aquilæ ...	3.0	20 48	300
α Delphini ...	3.9	22 17	305
ε Delphini ...	4.0	22 20	294
ι Pegasi ...	4.0	23 5	331
μ Pegasi ...	3.7	23 53	328

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Arietis ...	2.7	0 29	41
α Arietis ...	2.2	0 56	32
γ Tauri ...	3.9	2 36	54
17 Tauri ...	3.8	2 38	29
η Tauri ...	3.0	2 41	30
α Tauri ...	1.1	2 55	51
ε Tauri ...	3.6	2 57	45
ζ Tauri ...	3.0	4 15	38
ξ Geminorum ...	3.4	4 56	59
γ Geminorum ...	1.9	4 57	51
μ Geminorum ...	3.2	5 8	34
ε Geminorum ...	3.2	5 47	24
δ Geminorum ...	3.5	6 2	35
β Cancri ...	3.8	6 20	67
ο Leonis ...	3.8	7 47	65
α Leonis ...	1.3	8 18	61
ε Leonis ...	3.1	8 41	28
γ ¹ Leonis ...	2.6	8 53	41
θ Leonis ...	3.4	9 33	52
δ Leonis ...	2.6	9 51	39
β Leonis ...	2.2	10 5	55
ε Virginis ...	3.0	11 10	63
η Boötis ...	2.8	12 23	45
α Boötis ...	0.2	12 47	43
γ Serpentis ...	3.9	14 16	52
γ Herculis ...	3.8	14 52	44
β Herculis ...	2.8	15 12	37
α Herculis ...	3.5	15 30	56
α Ophiuchi ...	2.1	15 45	60
δ Herculis ...	3.2	16 18	25
ζ Aquilæ ...	3.0	17 19	58
γ Aquilæ ...	2.8	17 52	65
ε Delphini ...	4.0	18 40	64
α Delphini ...	3.9	18 58	53
ζ Pegasi ...	3.6	20 47	65
ι Pegasi ...	4.0	21 9	25
α Pegasi ...	2.6	21 21	55
μ Pegasi ...	3.7	21 46	28
γ Pegasi ...	2.9	22 29	56
η Piscium ...	3.7	23 47	55

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ε Eridani ...	3.8	1 32	106
γ Eridani ...	3.2	2 2	115
53 Eridani ...	4.0	2 43	116
μ Leporis ...	3.3	3 22	120
ε Leporis ...	3.3	3 31	135
α Leporis ...	2.7	3 45	124
β Leporis ...	3.0	3 49	130
β Canis Majoris	2.0	4 35	124
α Canis Majoris	-1.6	4 55	121
ο ² Canis Majoris	3.1	5 34	138
δ Canis Majoris	2.0	5 51	146
22 Canis Majoris	3.7	5 54	151
ε Canis Majoris	1.6	5 58	155
ξ Argus ...	3.5	6 24	141
η Canis Majoris	2.4	6 27	156
ρ Argus ...	2.9	6 40	139
α Hydræ ...	2.2	7 26	103
ν Hydræ ...	3.3	8 58	119
δ Crateris ...	3.8	9 24	116
γ Corvi ...	2.8	10 27	122
ε Corvi ...	3.2	10 34	134
δ Corvi ...	3.1	10 38	119
β Corvi ...	2.8	11 1	136
γ Hydræ ...	3.3	11 44	135
π Hydræ ...	3.5	12 48	146
α Libræ ...	2.9	12 58	119
γ Scorpii ...	3.4	13 39	142
β ¹ Scorpii ...	2.9	14 21	127
δ Scorpii ...	2.5	14 24	135
π Scorpii ...	3.0	14 38	144
σ Scorpii ...	3.1	14 58	143
α Scorpii ...	1.2	15 10	145
η Ophiuchi ...	2.6	15 18	119
τ Scorpii ...	2.9	15 28	152
θ Ophiuchi ...	3.4	15 56	141
λ Sagittarii ...	4.0	16 34	131
μ Sagittarii ...	2.9	17 5	143
ξ Sagittarii ...	3.6	17 18	131
π Sagittarii ...	3.0	17 30	131
φ Sagittarii ...	3.3	17 32	148
σ Sagittarii ...	2.1	17 37	146
τ Sagittarii ...	3.4	17 58	151
β Capricorni ...	3.3	18 26	117
ζ Capricorni ...	3.9	19 53	136
δ Capricorni ...	3.0	19 56	121
δ Aquarii ...	3.5	21 3	120
c ² Aquarii ...	3.8	21 31	132
β Ceti ...	2.2	22 56	125

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 37	240
ε ² Aquarii ...	3.8	0 39	228
β Ceti ...	2.2	2 22	235
ε Eridani ...	3.8	5 26	254
γ Eridani ...	3.2	5 46	245
53 Eridani ...	4.0	6 25	244
ε Leporis ...	3.3	6 33	225
μ Leporis ...	3.3	6 56	240
β Leporis ...	3.0	7 1	230
α Leporis ...	2.7	7 13	236
ε Canis Majoris	1.6	7 52	205
22 Canis Majoris	3.7	8 2	209
β Canis Majoris	2.0	8 3	236
η Canis Majoris	2.4	8 15	204
δ Canis Majoris	2.0	8 19	214
o ² Canis Majoris	3.1	8 26	222
α Canis Majoris	1.6	8 29	239
ξ Argus ...	3.5	9 8	219
ρ Argus ...	2.9	9 28	221
α Hydræ ...	2.2	11 22	257
ν Hydræ ...	3.3	12 34	241
δ Crateris ...	3.8	13 6	244
ε Corvi ...	3.2	13 38	226
γ Corvi ...	2.8	13 57	238
β Corvi ...	2.8	13 59	224
δ Corvi ...	3.1	14 14	241
γ Hydræ ...	3.3	14 44	225
π Hydræ ...	3.5	15 16	214
γ Scorp̄ii ...	3.4	16 19	218
α Libræ ...	2.9	16 34	241
π Scorp̄ii ...	3.0	17 10	216
δ Scorp̄ii ...	2.5	17 26	225
σ Scorp̄ii ...	3.1	17 34	217
τ Scorp̄ii ...	2.9	17 34	208
α Scorp̄ii ...	1.2	17 38	215
β ¹ Scorp̄ii ...	2.9	17 41	233
θ Ophiuchi ...	3.4	18 38	219
η Ophiuchi ...	2.6	18 54	241
λ Sagittarii ...	2.9	19 41	217
μ Sagittarii ...	4.0	19 44	229
φ Sagittarii ...	3.3	19 50	212
σ Sagittarii ...	2.1	20 3	214
τ Sagittarii ...	3.4	20 6	209
ξ Sagittarii ...	3.6	20 28	229
π Sagittarii ...	3.0	20 40	229
β Capricorni ...	3.3	22 6	243
ζ Capricorni ...	3.9	22 51	224
δ Capricorni ...	3.0	23 30	239

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 27	295
α Pegasi ...	2.6	0 41	305
γ Pegasi ...	2.9	1 49	304
η Piscium ...	3.7	3 7	305
α Arietis ...	2.2	3 10	328
β Arietis ...	2.7	3 11	319
17 Tauri ...	3.8	4 42	331
η Tauri ...	3.0	4 45	330
ε Tauri ...	3.6	5 51	315
γ Tauri ...	3.9	5 54	306
α Tauri ...	1.1	6 7	309
ζ Tauri ...	3.0	6 51	322
μ Geminorum ...	3.2	7 28	326
ε Geminorum ...	3.2	7 31	336
γ Geminorum ...	1.9	8 9	309
ξ Geminorum ...	3.4	8 26	301
δ Geminorum ...	3.5	8 28	325
β Canis Minoris	3.1	9 16	291
β Cancr̄i ...	3.8	10 4	293
ε Leonis ...	3.1	10 41	332
ο Leonis ...	3.8	11 27	295
γ ¹ Leonis ...	2.6	11 37	319
α Leonis ...	1.3	11 50	299
δ Leonis ...	2.6	12 29	321
θ Leonis ...	3.4	12 47	308
β Leonis ...	2.2	13 25	305
ε Virginis ...	3.0	14 46	297
η Boötis ...	2.8	15 19	315
α Boötis ...	0.2	15 37	317
γ Serpentis ...	3.9	17 30	308
β Herculis ...	2.8	17 42	323
γ Herculis ...	3.8	17 44	316
δ Herculis ...	3.2	18 6	335
α Herculis ...	3.5	18 52	304
α Ophiuchi ...	2.1	19 17	300
ζ Aquilæ ...	3.0	20 45	302
γ Aquilæ ...	2.8	21 32	295
α Delphini ...	3.9	22 14	307
ε Delphini ...	4.0	22 18	296
ι Pegasi ...	4.0	22 57	335
μ Pegasi ...	3.7	23 46	332

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Arietis ...	2.7	0 34	38
α Arietis ...	2.2	1 2	29
γ Tauri ...	3.9	2 39	51
17 Tauri ...	3.8	2 45	26
η Tauri ...	3.0	2 48	26
α Tauri ...	1.1	2 59	49
ε Tauri ...	3.6	3 1	42
ζ Tauri ...	3.0	4 20	36
ξ Geminorum ...	3.4	4 59	57
γ Geminorum ...	1.9	5 1	49
μ Geminorum ...	3.2	5 14	31
β Canis Minoris ...	3.1	5 32	67
δ Geminorum ...	3.5	6 8	32
β Cancrī ...	3.8	6 22	65
ο Leonis ...	3.8	7 49	63
α Leonis ...	1.3	8 20	59
ρ Leonis ...	3.9	8 40	65
ε Leonis ...	3.1	8 49	24
γ ¹ Leonis ...	2.6	8 58	38
θ Leonis ...	3.4	9 36	50
δ Leonis ...	2.6	9 56	36
β Leonis ...	2.2	10 8	52
ε Virginis ...	3.0	11 12	61
η Boötis ...	2.8	12 27	43
α Boötis ...	0.2	12 52	40
γ Serpentis ...	3.9	14 19	50
γ Herculis ...	3.8	14 56	41
κ Ophiuchi ...	3.4	15 4	65
β Herculis ...	2.8	15 17	34
α Herculis ...	3.5	15 32	54
α Ophiuchi ...	2.1	15 48	58
72 Ophiuchi ...	3.7	16 13	65
ζ Aquilæ ...	3.0	17 21	56
γ Aquilæ ...	2.8	17 54	63
ε Delphini ...	4.0	18 42	62
α Delphini ...	3.9	19 1	51
ε Pegasi ...	2.5	19 50	65
ζ Pegasi ...	3.6	20 49	63
α Pegasi ...	2.6	21 23	53
μ Pegasi ...	3.7	21 54	24
γ Pegasi ...	2.9	22 31	53
η Piscium ...	3.7	23 50	53

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Eridani ...	3.2	2 0	113
μ Leporis ...	3.3	3 19	118
ε Leporis ...	3.3	3 27	132
α Leporis ...	2.7	3 43	122
β Leporis ...	3.0	3 45	128
β Canis Majoris ...	2.0	4 33	122
α Canis Majoris ...	1.6	4 53	119
ζ Canis Majoris ...	3.1	5 21	155
ο ² Canis Majoris ...	3.1	5 30	136
δ Canis Majoris ...	2.0	5 46	143
22 Canis Majoris ...	3.7	5 47	147
ε Canis Majoris ...	1.6	5 51	151
η Canis Majoris ...	2.4	6 19	152
ξ Argus ...	3.5	6 19	138
ρ Argus ...	2.9	6 36	137
ν Hydræ ...	3.3	8 55	117
γ Corvi ...	2.8	10 24	120
ε Corvi ...	3.2	10 31	132
δ Corvi ...	3.1	10 36	117
β Corvi ...	2.8	10 57	134
γ Hydræ ...	3.3	11 40	133
π Hydræ ...	3.5	12 43	143
α Libræ ...	2.9	12 55	117
γ Scorpīi ...	3.4	13 34	139
β ¹ Scorpīi ...	2.9	14 18	125
δ Scorpīi ...	2.5	14 20	132
π Scorpīi ...	3.0	14 33	142
σ Scorpīi ...	3.1	14 53	140
α Scorpīi ...	1.2	15 4	142
η Ophiuchi ...	2.6	15 15	117
τ Scorpīi ...	2.9	15 21	148
θ Ophiuchi ...	3.4	15 52	139
μ Sagittarii ...	4.0	16 30	129
λ Sagittarii ...	2.9	17 0	140
ξ Sagittarii ...	3.6	17 15	129
δ Sagittarii ...	2.8	17 20	155
φ Sagittarii ...	3.3	17 26	145
π Sagittarii ...	3.0	17 27	129
σ Sagittarii ...	2.1	17 31	143
τ Sagittarii ...	3.4	17 51	147
ζ Sagittarii ...	2.7	18 1	155
β Capricorni ...	3.3	18 24	115
ζ Capricorni ...	3.9	19 49	133
δ Capricorni ...	3.0	19 54	119
δ Aquarii ...	3.5	21 0	118
c ² Aquarii ...	3.8	21 28	130
α Piscis Australis ...	1.3	21 58	156
β Ceti ...	2.2	22 54	123

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 40	242
ε ² Aquarii ...	3.8	0 42	230
β Ceti ...	2.2	2 24	237
γ Eridani ...	3.2	5 48	247
ε Leporis ...	3.3	6 37	228
μ Leporis ...	3.3	6 59	242
β Leporis ...	3.0	7 5	232
ζ Canis Majoris	3.1	7 13	205
α Leporis ...	2.7	7 15	238
ε Canis Majoris	1.6	7 59	209
β Canis Majoris	2.0	8 5	238
22 Canis Majoris	3.7	8 9	213
η Canis Majoris	2.4	8 23	208
δ Canis Majoris	2.6	8 24	217
o ² Canis Majoris	3.1	8 30	224
α Canis Majoris	1.6	8 31	241
ξ Argus ...	3.5	9 13	222
ρ Argus ...	2.9	9 32	223
ν Hydræ ...	3.3	12 37	243
ε Corvi ...	3.2	13 41	228
γ Corvi ...	2.8	14 0	240
β Corvi ...	2.8	14 3	226
δ Corvi ...	3.1	14 16	243
γ Hydræ ...	3.3	14 48	227
π Hydræ ...	3.5	15 21	217
γ Scorp̄ii ...	3.4	16 24	221
α Libræ ...	2.9	16 37	243
π Scorp̄ii ...	3.0	17 15	218
δ Scorp̄ii ...	2.5	17 30	228
σ Scorp̄ii ...	3.1	17 39	220
τ Scorp̄ii ...	2.9	17 41	212
β ¹ Scorp̄ii ...	2.9	17 44	235
α Scorp̄ii ...	1.2	17 44	218
θ Ophiuchi ...	3.4	18 42	221
η Ophiuchi ...	2.6	18 57	243
δ Sagittarii ...	2.8	19 12	205
λ Sagittarii ...	2.9	19 46	220
μ Sagittarii ...	4.0	19 48	231
ζ Sagittarii ...	2.7	19 53	205
φ Sagittarii ...	3.3	19 56	215
σ Sagittarii ...	2.1	20 9	217
τ Sagittarii ...	3.4	20 13	213
ξ Sagittarii ...	3.6	20 31	231
π Sagittarii ...	3.0	20 43	231
β Capricorni ...	3.3	22 8	245
ζ Capricorni ...	3.9	22 55	227
δ Capricorni ...	3.0	23 32	241
α Piscis Austral.	1.3	23 48	204

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 25	297
α Pegasi ...	2.6	0 39	307
γ Pegasi ...	2.9	1 47	307
η Piscium ...	3.7	3 4	307
α Arietis ...	2.2	3 4	331
β Arietis ...	2.7	3 6	322
17 Tauri ...	3.8	4 35	334
η Tauri ...	3.0	4 38	334
ε Tauri ...	3.6	5 47	318
γ Tauri ...	3.9	5 51	309
α Tauri ...	1.1	6 3	311
ζ Tauri ...	3.0	6 46	324
μ Geminorum ...	3.2	7 22	329
γ Geminorum ...	1.9	8 5	311
δ Geminorum ...	3.5	8 22	328
ξ Geminorum ...	3.4	8 23	303
β Canis Minoris	3.1	9 14	293
β Cancr̄i ...	3.8	10 2	295
ε Leonis ...	3.1	10 33	336
o Leonis ...	3.8	11 25	297
γ ¹ Leonis ...	2.6	11 32	322
α Leonis ...	1.3	11 48	301
ρ Leonis ...	3.9	12 18	295
δ Leonis ...	2.6	12 24	324
θ Leonis ...	3.4	12 44	310
β Leonis ...	2.2	13 22	308
ε Virginis ...	3.0	14 44	299
η Boötis ...	2.8	15 15	317
α Boötis ...	0.2	15 32	320
γ Serpentis ...	3.9	17 27	310
β Herculis ...	2.8	17 37	326
γ Herculis ...	3.8	17 40	319
κ Ophiuchi ...	3.4	18 44	295
α Herculis ...	3.5	18 50	306
α Ophiuchi ...	2.1	19 14	302
72 Ophiuchi ...	3.7	19 53	295
ζ Aquilæ ...	3.0	20 43	304
γ Aquilæ ...	2.8	21 30	297
α Delphini ...	3.9	22 11	309
ε Delphini ...	4.0	22 16	298
ε Pegasi ...	2.5	23 30	295
μ Pegasi ...	3.7	23 38	336

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
β Arietis ...	2.7	0 39	35
α Arietis ...	2.2	1 10	25
ο Tauri ...	3.8	1 31	65
γ Tauri ...	3.9	2 43	49
α Tauri ...	1.1	3 2	47
ε Tauri ...	3.6	3 6	39
ζ Tauri ...	3.0	4 26	33
ξ Geminorum ...	3.4	5 1	55
γ Geminorum ...	1.9	5 4	46
μ Geminorum ...	3.2	5 21	27
β Canis Minoris	3.1	5 33	65
δ Geminorum ...	3.5	6 14	29
β Cancrī ...	3.8	6 24	63
ο Leonis ...	3.8	7 51	61
α Leonis ...	1.3	8 23	57
ρ Leonis ...	3.9	8 42	63
γ ¹ Leonis ...	2.6	9 3	35
θ Leonis ...	3.4	9 39	48
δ Leonis ...	2.6	10 2	33
β Leonis ...	2.2	10 11	50
ε Virginis...	3.0	11 14	59
η Boötis ...	2.8	12 32	40
α Boötis ...	0.2	12 57	37
γ Serpentis ...	3.9	14 22	48
γ Herculis ...	3.8	15 1	38
κ Ophiuchi ...	3.4	15 6	63
β Herculis ...	2.8	15 23	31
α Herculis ...	3.5	15 35	52
α Ophiuchi ...	2.1	15 50	56
72 Ophiuchi ...	3.7	16 15	63
ζ Aquilæ ...	3.0	17 24	53
γ Aquilæ ...	2.8	17 56	61
α Aquilæ ...	0.9	17 58	65
ε Delphini ...	4.0	18 44	60
α Delphini ...	3.9	19 4	49
ε Pegasi ...	2.5	19 52	63
ζ Pegasi ...	3.6	20 51	61
α Pegasi ...	2.6	21 26	51
γ Pegasi ...	2.9	22 34	51
η Piscium...	3.7	23 53	50

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Eridani ...	3.2	1 59	111
μ Leporis ...	3.3	3 17	116
ε Leporis ...	3.3	3 24	130
α Leporis ...	2.7	3 40	120
β Leporis ...	3.0	3 42	126
β Canis Majoris	2.0	4 30	120
α Canis Majoris	1.6	4 51	117
ζ Canis Majoris	3.1	5 13	152
ο ² Canis Majoris	3.1	5 26	133
22 Canis Majoris	3.7	5 41	144
δ Canis Majoris	2.0	5 41	140
ε Canis Majoris	1.6	5 44	148
η Canis Majoris	2.4	6 11	148
ξ Argus ...	3.5	6 15	135
ρ Argus ...	2.9	6 31	134
ν Hydræ ...	3.3	8 53	115
γ Corvi ...	2.8	10 22	118
ε Corvi ...	3.2	10 27	129
δ Corvi ...	3.1	10 34	116
β Corvi ...	2.8	10 53	131
γ Hydræ ...	3.3	11 37	131
π Hydræ ...	3.5	12 38	140
α Libræ ...	2.9	12 53	115
γ Scorpī ...	3.4	13 30	136
β ¹ Scorpī ...	2.9	14 16	124
δ Scorpī ...	2.5	14 17	130
π Scorpī ...	3.0	14 28	139
σ Scorpī ...	3.1	14 48	138
α Scorpī ...	1.2	14 59	140
η Ophiuchi ...	2.6	15 13	115
τ Scorpī ...	2.9	15 15	145
θ Ophiuchi ...	3.4	15 47	136
μ Sagittarii ...	4.0	16 27	127
λ Sagittarii ...	2.9	16 56	138
γ Sagittarii ...	3.1	17 0	153
δ Sagittarii ...	2.8	17 12	151
ξ Sagittarii ...	3.6	17 12	127
φ Sagittarii ...	3.3	17 20	142
π Sagittarii ...	3.0	17 24	127
σ Sagittarii ...	2.1	17 26	140
τ Sagittarii ...	3.4	17 45	144
ζ Sagittarii ...	2.7	17 53	152
ζ Capricorni ...	3.9	19 45	131
δ Capricorni ...	3.0	19 52	117
δ Aquarii ...	3.5	20 58	116
c ² Aquarii ...	3.8	21 24	128
α Piscis Australis	1.3	21 50	152
β Ceti ...	2.2	22 51	121

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 42	244
c ² Aquarii ...	3.8	0 46	232
β Ceti ...	2.2	2 27	239
γ Eridani ...	3.2	5 49	249
ε Leporis ...	3.3	6 40	230
μ Leporis ...	3.3	7 1	244
β Leporis ...	3.0	7 8	234
α Leporis ...	2.7	7 18	240
ζ Canis Majoris	3.1	7 21	208
ε Canis Majoris	1.6	8 6	212
β Canis Majoris	2.0	8 8	240
22 Canis Majoris	3.7	8 15	216
δ Canis Majoris	2.0	8 29	220
η Canis Majoris	2.4	8 31	212
α Canis Majoris	1.6	8 33	243
o ² Canis Majoris	3.1	8 34	227
ξ Argus ...	3.5	9 17	225
ρ Argus ...	2.9	9 37	226
ν Hydræ ...	3.3	12 39	245
ε Corvi ...	3.2	13 45	231
γ Corvi ...	2.8	14 2	242
β Corvi ...	2.8	14 7	229
δ Corvi ...	3.1	14 18	244
γ Hydræ ...	3.3	14 51	229
π Hydræ ...	3.5	15 26	220
γ Scorp̄ii ...	3.4	16 28	224
α Libræ ...	2.9	16 39	245
π Scorp̄ii ...	3.0	17 20	221
δ Scorp̄ii ...	2.5	17 33	230
σ Scorp̄ii ...	3.1	17 44	222
β ¹ Scorp̄ii ...	2.9	17 46	236
τ Scorp̄ii ...	2.9	17 47	215
α Scorp̄ii ...	1.2	17 49	220
θ Ophiuchi ...	3.4	18 47	224
η Ophiuchi ...	2.6	18 59	245
γ Sagittarii ...	3.1	19 2	207
δ Sagittarii ...	2.8	19 20	209
λ Sagittarii ...	2.9	19 50	222
μ Sagittarii ...	4.0	19 51	233
ζ Sagittarii ...	2.7	20 1	208
φ Sagittarii ...	3.3	20 2	218
σ Sagittarii ...	2.1	20 14	220
τ Sagittarii ...	3.4	20 19	216
ξ Sagittarii ...	3.6	20 34	233
π Sagittarii ...	3.0	20 46	233
ζ Capricorni ...	3.9	22 59	229
δ Capricorni ...	3.0	23 34	243
α Piscis Australis	1.3	23 56	208

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 23	299
α Pegasi ...	2.6	0 36	309
γ Pegasi ...	2.9	1 44	309
α Arietis ...	2.2	2 56	335
η Piscium ...	3.7	3 1	310
β Arietis ...	2.7	3 1	325
o Tauri ...	3.8	5 9	295
ε Tauri ...	3.6	5 42	321
γ Tauri ...	3.9	5 47	311
α Tauri ...	1.1	6 0	313
ζ Tauri ...	3.0	6 40	327
μ Geminorum ...	3.2	7 15	333
γ Geminorum ...	1.9	8 2	314
δ Geminorum ...	3.5	8 16	331
ξ Geminorum ...	3.4	8 21	305
β Canis Minoris	3.1	9 13	295
β Cancr̄i ...	3.8	10 0	297
o Leonis ...	3.8	11 23	299
γ ¹ Leonis ...	2.6	11 27	325
α Leonis ...	1.3	11 45	303
ρ Leonis ...	3.9	12 16	297
δ Leonis ...	2.6	12 18	327
θ Leonis ...	3.4	12 41	312
β Leonis ...	2.2	13 19	310
ε Virginis ...	3.0	14 42	301
η Boötis ...	2.8	15 10	320
α Boötis ...	0.2	15 27	323
γ Serp̄entis ...	3.9	17 24	312
β Herculis ...	2.8	17 31	329
γ Herculis ...	3.8	17 35	322
κ Ophiuchi ...	3.4	18 42	297
α Herculis ...	3.5	18 47	308
α Ophiuchi ...	2.1	19 12	304
72 Ophiuchi ...	3.7	19 51	297
ζ Aquilæ ...	3.0	20 40	307
γ Aquilæ ...	2.8	21 28	299
α Aquilæ ...	0.9	21 36	295
α Delphini ...	3.9	22 8	311
ε Delphini ...	4.0	22 14	300
ε Pegasi ...	2.5	23 28	297

NE. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
β Arietis ...	2.7	0 45	32
ο Tauri ...	3.8	1 33	63
γ Tauri ...	3.9	2 46	47
α Tauri ...	1.1	3 6	44
ε Tauri ...	3.6	3 11	36
α Orionis ...	1.2	4 1	66
ζ Tauri ...	3.0	4 33	29
ξ Geminorum ...	3.4	5 4	53
γ Geminorum ...	1.9	5 8	44
μ Geminorum ...	3.2	5 30	23
β Canis Minoris	3.1	5 35	63
δ Geminorum ...	3.5	6 22	25
β Cancrī ...	3.8	6 26	61
ο Leonis ...	3.8	7 53	59
α Leonis ...	1.3	8 26	54
ρ Leonis ...	3.9	8 44	61
γ ¹ Leonis ...	2.6	9 9	32
θ Leonis ...	3.4	9 43	45
δ Leonis ...	2.6	10 9	29
β Leonis ...	2.2	10 15	48
ε Virginis...	3.0	11 17	57
η Boötis ...	2.8	12 37	37
α Boötis ...	0.2	13 2	34
γ Serpentis ...	3.9	14 26	45
γ Herculis ...	3.8	15 7	35
κ Ophiuchi ...	3.4	15 9	61
β Herculis ...	2.8	15 31	27
α Herculis ...	3.5	15 39	49
α Ophiuchi ...	2.1	15 53	54
72 Ophiuchi ...	3.7	16 18	61
ζ Aquilæ ...	3.0	17 28	51
γ Aquilæ ...	2.8	17 58	59
α Aquilæ ...	0.9	18 0	63
ε Delphini ...	4.0	18 47	58
α Delphini ...	3.9	19 8	46
ε Pegasi ...	2.5	19 55	61
ζ Pegasi ...	3.6	20 53	59
α Pegasi ...	2.6	21 30	48
γ Pegasi ...	2.9	22 38	48
η Piscium...	3.7	23 57	48

SE. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
γ Eridani ...	3.2	1 58	109
μ Leporis ...	3.3	3 15	114
ε Leporis ...	3.3	3 21	128
α Leporis ...	2.7	3 38	118
β Leporis ...	3.0	3 40	124
β Canis Majoris	2.0	4 28	118
α Canis Majoris	1.6	4 49	115
ζ Canis Majoris	3.1	5 6	148
ο ² Canis Majoris	3.1	5 22	131
22 Canis Majoris	3.7	5 36	142
δ Canis Majoris	2.0	5 36	137
ε Canis Majoris	1.6	5 38	145
η Canis Majoris	2.4	6 5	145
ξ Argus ...	3.5	6 11	133
ρ Argus ...	2.9	6 27	132
γ Corvi ...	2.8	10 20	116
ε Corvi ...	3.2	10 24	127
ξ Hydræ ...	3.7	10 28	153
δ Corvi ...	3.1	10 32	114
β Corvi ...	2.8	10 50	129
γ Hydræ ...	3.3	11 33	128
π Hydræ ...	3.5	12 33	137
γ Scorpīi ...	3.4	13 26	134
β ¹ Scorpīi ...	2.9	14 13	122
δ Scorpīi ...	2.5	14 14	128
π Scorpīi ...	3.0	14 24	136
σ Scorpīi ...	3.1	14 44	135
α Scorpīi ...	1.2	14 55	137
τ Scorpīi ...	2.9	15 10	142
θ Ophiuchi ...	3.4	15 43	134
μ Sagittarii ...	4.0	16 24	125
λ Sagittarii ...	2.9	16 51	135
γ Sagittarii ...	3.1	16 53	150
δ Sagittarii ...	2.8	17 4	148
ξ Sagittarii ...	3.6	17 9	125
φ Sagittarii ...	3.3	17 15	140
π Sagittarii ...	3.0	17 21	125
σ Sagittarii ...	2.1	17 22	138
τ Sagittarii ...	3.4	17 40	142
ζ Sagittarii ...	2.7	17 46	148
ζ Capricorni ...	3.9	19 42	129
δ Capricorni ...	3.0	19 50	115
δ Aquarii ...	3.5	20 56	114
ε ² Aquarii ...	3.8	21 21	126
α Piscis Australis	1.3	21 43	149
β Ceti ...	2.2	22 49	119

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 3	211
δ Aquarii ...	3.5	0 44	246
c^2 Aquarii ...	3.8	0 49	234
β Ceti ...	2.2	2 29	241
γ Eridani ...	3.2	5 50	251
ϵ Leporis ...	3.3	6 43	232
μ Leporis ...	3.3	7 3	246
β Leporis ...	3.0	7 10	236
α Leporis ...	2.7	7 20	242
ζ Canis Majoris	3.1	7 28	212
β Canis Majoris	2.0	8 10	242
ϵ Canis Majoris	1.6	8 12	215
22 Canis Majoris	3.7	8 20	218
δ Canis Majoris	2.0	8 34	223
α Canis Majoris	-1.6	8 35	245
η Canis Majoris	2.4	8 37	215
o^2 Canis Majoris	3.1	8 38	229
ξ Argus ...	3.5	9 21	227
ρ Argus ...	2.9	9 41	228
ξ Hydræ ...	3.7	12 30	207
ϵ Corvi ...	3.2	13 48	233
γ Corvi ...	2.8	14 4	244
β Corvi ...	2.8	14 10	231
δ Corvi ...	3.1	14 20	246
γ Hydræ ...	3.3	14 55	232
π Hydræ ...	3.5	15 31	223
γ Scorpii ...	3.4	16 32	226
π Scorpii ...	3.0	17 24	224
δ Scorpii ...	2.5	17 36	232
σ Scorpii ...	3.1	17 48	225
β^1 Scorpii ...	2.9	17 49	238
τ Scorpii ...	2.9	17 52	218
α Scorpii ...	1.2	17 53	223
θ Ophiuchi ...	3.4	18 51	226
γ Sagittarii ...	3.1	19 9	210
δ Sagittarii ...	2.8	19 28	212
μ Sagittarii ...	4.0	19 54	235
λ Sagittarii ...	2.9	19 55	225
ϕ Sagittarii ...	3.3	20 7	220
ζ Sagittarii ...	2.7	20 8	212
σ Sagittarii ...	2.1	20 18	222
τ Sagittarii ...	3.4	20 24	218
ξ Sagittarii ...	3.6	20 37	235
π Sagittarii ...	3.0	20 49	235
ζ Capricorni ...	3.9	23 2	231
δ Capricorni ...	3.0	23 36	245

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 21	301
α Pegasi ...	2.6	0 32	312
γ Pegasi ...	2.9	1 40	312
β Arietis ...	2.7	2 55	328
η Piscium...	3.7	2 57	312
o Tauri ...	3.8	5 7	297
ϵ Tauri ...	3.6	5 37	324
γ Tauri ...	3.9	5 44	313
α Tauri ...	1.1	5 56	316
ζ Tauri ...	3.0	6 33	331
μ Geminorum ...	3.2	7 6	337
α Orionis ...	1.2	7 41	294
γ Geminorum ...	1.9	7 58	316
δ Geminorum ...	3.5	8 8	335
ξ Geminorum ...	3.4	8 18	307
β Canis Minoris	3.1	9 11	297
β Cancræ ...	3.8	9 58	299
o Leonis ...	3.8	11 21	301
γ^1 Leonis ...	2.6	11 21	328
α Leonis ...	1.3	11 42	306
δ Leonis ...	2.6	12 11	331
ρ Leonis ...	3.9	12 14	299
θ Leonis ...	3.4	12 37	315
β Leonis ...	2.2	13 15	312
ϵ Virginis...	3.0	14 39	303
η Boötis ...	2.8	15 5	323
α Boötis ...	0.2	15 22	326
γ Serpentis ...	3.9	17 20	315
β Herculis ...	2.8	17 23	333
γ Herculis ...	3.8	17 29	325
κ Ophiuchi ...	3.4	18 39	299
α Herculis ...	3.5	18 43	311
α Ophiuchi ...	2.1	19 9	306
72 Ophiuchi ...	3.7	19 48	299
ζ Aquilæ ...	3.0	20 36	309
γ Aquilæ ...	2.8	21 26	301
α Aquilæ ...	0.9	21 34	297
α Delphini ...	3.9	22 4	314
ϵ Delphini ...	4.0	22 11	302
ϵ Pegasi ...	2.5	23 25	299

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
η Piscium... ..	3·7	0 0	46
β Arietis	2·7	0 52	28
ο Tauri	3·8	1 35	61
γ Tauri	3·9	2 50	44
π ³ Orionis	3·3	2 56	65
α Tauri	1·1	3 10	41
ε Tauri	3·6	3 17	33
γ Orionis	1·7	3 31	66
α Orionis	1·2	4 3	64
ζ Tauri	3·0	4 41	25
ξ Geminorum ...	3·4	5 7	50
γ Geminorum ...	1·9	5 13	41
β Canis Minoris	3·1	5 38	61
β Cancri	3·8	6 29	59
ε Hydræ	3·5	6 52	65
ζ Hydræ	3·3	7 1	66
ο Leonis	3·8	7 56	57
α Leonis	1·3	8 29	52
ρ Leonis	3·9	8 46	59
γ ¹ Leonis	2·6	9 17	28
θ Leonis	3·4	9 47	43
δ Leonis	2·6	10 17	26
β Leonis	2·2	10 18	45
ε Virginis... ..	3·0	11 20	54
η Boötis	2·8	12 42	34
α Boötis	0·2	13 9	31
α Serpentis ...	2·8	13 51	65
γ Serpentis ...	3·9	14 30	43
κ Ophiuchi ...	3·4	15 11	59
γ Herculis ...	3·8	15 13	32
β Herculis ...	2·8	15 40	22
α Herculis ...	3·5	15 43	47
α Ophiuchi ...	2·1	15 56	52
72 Ophiuchi ...	3·7	16 20	59
ζ Aquilæ	3·0	17 31	49
γ Aquilæ	2·8	18 1	57
β Aquilæ	3·9	18 1	66
α Aquilæ	0·9	18 2	61
ε Delphini ...	4·0	18 49	56
α Delphini ...	3·9	19 12	44
ε Pegasi	2·5	19 57	59
ζ Pegasi	3·6	20 56	57
α Pegasi	2·6	21 34	46
ω Piscium... ..	4·0	22 5	66
γ Pegasi	2·9	22 41	46

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Eridani	3·2	1 56	107
ε Leporis	3·3	3 18	126
α Leporis	2·7	3 36	116
β Leporis	3·0	3 37	122
β Canis Majoris	2·0	4 26	116
ζ Canis Majoris	3·1	5 0	145
ο ² Canis Majoris	3·1	5 19	129
22 Canis Majoris	3·7	5 31	139
δ Canis Majoris	2·0	5 32	135
ε Canis Majoris	1·6	5 33	142
η Canis Majoris	2·4	6 0	143
ξ Argus	3·5	6 7	131
ρ Argus	2·9	6 24	130
α Mali	3·7	7 43	156
γ Corvi	2·8	10 18	114
ξ Hydræ	3·7	10 21	150
ε Corvi	3·2	10 21	125
β Corvi	2·8	10 47	127
γ Hydræ	3·3	11 30	126
π Hydræ	3·5	12 29	135
γ Scorpïi	3·4	13 22	132
δ Scorpïi	2·5	14 11	126
β ¹ Scorpïi	2·9	14 11	120
π Scorpïi	3·0	14 20	134
σ Scorpïi	3·1	14 40	133
α Scorpïi	1·2	14 51	135
τ Scorpïi	2·9	15 5	140
θ Ophiuchi ...	3·4	15 39	132
μ Sagittarii ...	4·0	16 22	123
γ Sagittarii ...	3·1	16 47	147
λ Sagittarii ...	2·9	16 47	133
δ Sagittarii ...	2·8	16 58	145
ξ Sagittarii ...	3·6	17 6	123
φ Sagittarii ...	3·3	17 11	137
σ Sagittarii ...	2·1	17 17	135
π Sagittarii ...	3·0	17 18	123
τ Sagittarii ...	3·4	17 35	139
ζ Sagittarii ...	2·7	17 40	145
ζ Capricorni ...	3·9	19 39	127
ο ² Aquarii	3·8	21 19	124
α Piscis Australis	1·3	21 37	146
β Ceti	2·2	22 47	117

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 9	214
c^2 Aquarii ...	3.8	0 51	236
β Ceti ...	2.2	2 31	243
γ Eridani ...	3.2	5 52	253
ϵ Leporis ...	3.3	6 46	234
β Leporis ...	3.0	7 13	238
α Leporis ...	2.7	7 22	244
ζ Canis Majoris	3.1	7 34	215
β Canis Majoris	2.0	8 12	244
ϵ Canis Majoris	1.6	8 17	218
22 Canis Majoris	3.7	8 25	221
δ Canis Majoris	2.0	8 38	225
o^2 Canis Majoris	3.1	8 41	231
η Canis Majoris	2.4	8 42	217
ξ Argus ...	3.5	9 25	229
a Mali ...	3.7	9 37	204
ρ Argus ...	2.9	9 44	230
ξ Hydræ ...	3.7	12 37	210
ϵ Corvi ...	3.2	13 51	235
γ Corvi ...	2.8	14 6	246
β Corvi ...	2.8	14 13	233
γ Hydræ ...	3.3	14 58	234
π Hydræ ...	3.5	15 35	225
γ Scorpii ...	3.4	16 36	228
π Scorpii ...	3.0	17 28	226
δ Scorpii ...	2.5	17 39	234
β^1 Scorpii ...	2.9	17 51	240
σ Scorpii ...	3.1	17 52	227
α Scorpii ...	1.2	17 57	225
τ Scorpii ...	2.9	17 57	220
θ Ophiuchi ...	3.4	18 55	228
γ Sagittarii ...	3.1	19 15	213
δ Sagittarii ...	2.8	19 34	215
μ Sagittarii ...	4.0	19 56	237
λ Sagittarii ...	2.9	19 59	227
ϕ Sagittarii ...	3.3	20 11	223
ζ Sagittarii ...	2.7	20 14	215
σ Sagittarii ...	2.1	20 23	225
τ Sagittarii ...	3.4	20 29	221
ξ Sagittarii ...	3.6	20 40	237
π Sagittarii ...	3.0	20 52	237
ζ Capricorni ...	3.9	23 5	233

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 18	303
α Pegasi ...	2.6	0 28	314
γ Pegasi ...	2.9	1 37	314
ω Piscium ...	4.0	1 45	294
β Arietis ...	2.7	2 48	332
η Piscium ...	3.7	2 54	314
o Tauri ...	3.8	5 5	299
ϵ Tauri ...	3.6	5 31	327
γ Tauri ...	3.9	5 40	316
α Tauri ...	1.1	5 52	319
ζ Tauri ...	3.0	6 25	335
π^3 Orionis ...	3.3	6 34	295
γ Orionis ...	1.7	7 11	294
α Orionis ...	1.2	7 39	296
γ Geminorum ...	1.9	7 53	319
ξ Geminorum ...	3.4	8 15	310
β Canis Minoris	3.1	9 8	299
β Cancri ...	3.8	9 55	301
ϵ Hydræ ...	3.5	10 31	295
ζ Hydræ ...	3.3	10 41	294
γ^1 Leonis ...	2.6	11 13	332
o Leonis ...	3.8	11 18	303
α Leonis ...	1.3	11 39	308
δ Leonis ...	2.6	12 3	334
ρ Leonis ...	3.9	12 12	301
θ Leonis ...	3.4	12 33	317
β Leonis ...	2.2	13 12	315
ϵ Virginis ...	3.0	14 36	306
η Boötis ...	2.8	15 0	326
α Boötis ...	0.2	15 15	329
β Herculis ...	2.8	17 14	338
γ Serpentis ...	3.9	17 16	317
γ Herculis ...	3.8	17 23	328
α Serpentis ...	2.8	17 29	295
\times Ophiuchi ...	3.4	18 37	301
α Herculis ...	3.5	18 39	313
α Ophiuchi ...	2.1	19 6	308
72 Ophiuchi ...	3.7	19 46	301
ζ Aquilæ ...	3.0	20 33	311
γ Aquilæ ...	2.8	21 23	303
α Aquilæ ...	0.9	21 32	299
β Aquilæ ...	3.9	21 41	294
α Delphini ...	3.9	22 0	316
ϵ Delphini ...	4.0	22 9	304
ϵ Pegasi ...	2.5	23 23	301

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η Piscium... ..	3·7	0 4	43
β Arietis	2·7	1 0	24
ο Tauri	3·8	1 37	59
γ Tauri	3·9	2 54	42
π ³ Orionis	3·3	2 58	63
α Tauri	1·1	3 15	39
ε Tauri	3·6	3 24	30
γ Orionis	1·7	3 33	64
α Orionis	1·2	4 5	62
ξ Geminorum ...	3·4	5 11	48
γ Geminorum ...	1·9	5 18	38
β Canis Minoris	3·1	5 40	59
α <i>Canis Minoris</i>	0·5	5 45	66
β Cancrī	3·8	6 31	57
ε Hydræ	3·5	6 55	63
ζ Hydræ	3·3	7 3	64
ο Leonis	3·8	7 58	55
α Leonis	1·3	8 32	50
ρ Leonis	3·9	8 49	56
γ ¹ Leonis	2·6	9 25	24
θ Leonis	3·4	9 51	40
β Leonis	2·2	10 22	43
ε Virginis... ..	3·0	11 23	52
η Boötis	2·8	12 48	31
α Boötis	0·2	13 16	27
α Serpentis ...	2·8	13 53	63
γ Serpentis ...	3·9	14 34	40
κ Ophiuchi ...	3·4	15 13	57
γ Herculis ...	3·8	15 20	28
α Herculis ...	3·5	15 47	44
α Ophiuchi ...	2·1	15 59	49
72 Ophiuchi ...	3·7	16 22	57
ζ Aquilæ	3·0	17 34	46
β Aquilæ	3·9	18 3	64
α Aquilæ	0·9	18 4	59
γ Aquilæ	2·8	18 4	55
ε Delphini ...	4·0	18 52	53
α Delphini ...	3·9	19 16	41
ε Pegasi	2·5	19 59	57
ζ Pegasi	3·6	20 59	55
α Pegasi	2·6	21 38	44
ω Piscium... ..	4·0	22 7	64
γ Pegasi	2·9	22 45	44

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Eridani	3·2	1 55	106
ε Leporis	3·3	3 15	124
υ ⁴ Eridani	3·6	3 18	156
α Leporis	2·7	3 34	114
β Leporis	3·0	3 35	120
β Canis Majoris	2·0	4 24	114
α Columbae ...	2·7	4 41	156
ζ Canis Majoris	3·1	4 55	143
ο ² Canis Majoris	3·1	5 16	127
22 Canis Majoris	3·7	5 27	137
ε Canis Majoris	1·6	5 28	139
δ Canis Majoris	2·0	5 28	133
η Canis Majoris	2·4	5 55	140
ξ Argus	3·5	6 4	129
ρ Argus	2·9	6 21	127
α Mali	3·7	7 35	152
ξ Hydræ	3·7	10 14	147
ε Corvi	3·2	10 18	123
β Corvi	2·8	10 44	125
γ Hydræ	3·3	11 27	124
π Hydræ	3·5	12 25	133
γ Scorpii	3·4	13 18	130
δ Scorpii	2·5	14 8	124
β ¹ Scorpii	2·9	14 8	118
π Scorpii	3·0	14 16	132
σ Scorpii	3·1	14 36	131
α Scorpii	1·2	14 47	132
τ Scorpii	2·9	15 1	137
θ Ophiuchi ...	3·4	15 36	129
ε Scorpii	2·4	15 50	157
μ Sagittarii ...	4·0	16 19	121
γ Sagittarii ...	3·1	16 41	144
λ Sagittarii ...	2·9	16 44	131
δ Sagittarii ...	2·8	16 53	142
ξ Sagittarii ...	3·6	17 3	121
φ Sagittarii ...	3·3	17 7	135
σ Sagittarii ...	2·1	17 13	133
π Sagittarii ...	3·0	17 15	121
τ Sagittarii ...	3·4	17 31	137
ζ Sagittarii ...	2·7	17 35	143
ζ Capricorni ...	3·9	19 36	125
α ² Aquarii	3·8	21 16	122
α Piscis Australis	1·3	21 32	143
β Ceti	2·2	22 45	115

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 14	217
ϵ^2 Aquarii ...	3.8	0 54	238
β Ceti ...	2.2	2 33	245
ν^4 Eridani ...	3.6	5 12	204
γ Eridani ...	3.2	5 53	254
α Columbæ ...	2.7	6 33	204
ϵ Leporis ...	3.3	6 49	236
β Leporis ...	3.0	7 15	240
α Leporis ...	2.7	7 24	246
ζ Canis Majoris	3.1	7 39	217
β Canis Majoris	2.0	8 14	246
ϵ Canis Majoris	1.6	8 22	221
δ Canis Majoris	3.7	8 29	223
δ Canis Majoris	2.0	8 42	227
ϵ^2 Canis Majoris	3.1	8 44	233
η Canis Majoris	2.4	8 47	220
ξ Argus ...	3.5	9 28	231
α Mali ...	3.7	9 45	208
ρ Argus ...	2.9	9 47	233
ξ Hydræ ...	3.7	12 44	213
ϵ Corvi ...	3.2	13 54	237
β Corvi ...	2.8	14 16	235
γ Hydræ ...	3.3	15 1	236
π Hydræ ...	3.5	15 39	227
γ Scorpii ...	3.4	16 40	230
π Scorpii ...	3.0	17 32	228
ϵ Scorpii ...	2.4	17 40	203
δ Scorpii ...	2.5	17 42	236
β^1 Scorpii ...	2.9	17 54	242
σ Scorpii ...	3.1	17 56	229
α Scorpii ...	1.2	18 1	228
τ Scorpii ...	2.9	18 1	223
θ Ophiuchi ...	3.4	18 58	231
γ Sagittarii ...	3.1	19 21	216
δ Sagittarii ...	2.8	19 39	218
μ Sagittarii ...	4.0	19 59	239
λ Sagittarii ...	2.9	20 2	229
ϕ Sagittarii ...	3.3	20 15	225
ζ Sagittarii ...	2.7	20 19	217
σ Sagittarii ...	2.1	20 27	227
τ Sagittarii ...	3.4	20 33	223
ξ Sagittarii ...	3.6	20 43	239
π Sagittarii ...	3.0	20 55	239
ζ Capricorni ...	3.9	23 8	235

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 15	305
α Pegasi ...	2.6	0 24	316
γ Pegasi ...	2.9	1 33	316
ω Piscium ...	4.0	1 43	296
β Arietis ...	2.7	2 40	336
η Piscium ...	3.7	2 50	317
ϵ Tauri ...	3.8	5 3	301
ϵ Tauri ...	3.6	5 24	330
γ Tauri ...	3.9	5 36	318
α Tauri ...	1.1	5 47	321
π^3 Orionis ...	3.3	6 32	297
γ Orionis ...	1.7	7 9	296
α Orionis ...	1.2	7 37	298
γ Geminorum ...	1.9	7 48	322
ξ Geminorum ...	3.4	8 11	312
β Canis Minoris	3.1	9 6	301
α Canis Minoris	0.5	9 25	294
β Cancræ ...	3.8	9 53	303
ϵ Hydræ ...	3.5	10 29	297
ζ Hydræ ...	3.3	10 39	296
γ^1 Leonis ...	2.6	11 5	336
α Leonis ...	3.8	11 16	305
α Leonis ...	1.3	11 36	310
ρ Leonis ...	3.9	12 9	304
θ Leonis ...	3.4	12 29	320
β Leonis ...	2.2	13 8	317
ϵ Virginis ...	3.0	14 33	308
η Boötis ...	2.8	14 54	329
α Boötis ...	0.2	15 8	333
γ Serpentis ...	3.9	17 12	320
γ Herculis ...	3.8	17 16	332
α Serpentis ...	2.8	17 27	297
κ Ophiuchi ...	3.4	18 35	303
α Herculis ...	3.5	18 35	316
α Ophiuchi ...	2.1	19 3	311
γ^2 Ophiuchi ...	3.7	19 44	303
ζ Aquilæ ...	3.0	20 30	314
γ Aquilæ ...	2.8	21 20	305
α Aquilæ ...	0.9	21 30	301
β Aquilæ ...	3.9	21 39	296
α Delphini ...	3.9	21 56	319
ϵ Delphini ...	4.0	22 6	307
ϵ Pegasi ...	2.5	23 21	303

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
η Piscium... ..	3·7	0 9	40
ο Tauri	3·8	1 40	57
γ Tauri	3·9	2 59	39
π ³ Orionis	3·3	3 0	61
α Tauri	1·1	3 20	36
ε Tauri	3·6	3 31	26
γ Orionis	1·7	3 35	62
α Orionis	1·2	4 7	60
ξ Geminorum ...	3·4	5 14	46
γ Geminorum ...	1·9	5 23	35
β Canis Minoris	3·1	5 42	57
α Canis Minoris	0·5	5 47	64
β Cancrī	3·8	6 34	55
ε Hydræ	3·5	6 57	61
ζ Hydræ	3·3	7 5	62
ο Leonis	3·8	8 1	53
α Leonis	1·3	8 35	47
ρ Leonis	3·9	8 52	54
θ Leonis	3·4	9 56	37
β Leonis	2·2	10 27	40
ε Virginis... ..	3·0	11 26	50
η Boötis	2·8	12 56	27
α Boötis	0·2	13 24	23
α Serpentis ...	2·8	13 55	61
ε Serpentis ...	3·8	13 58	66
γ Serpentis ...	3·9	14 39	37
κ Ophiuchi ...	3·4	15 16	55
γ Herculis ...	3·8	15 27	25
β Ophiuchi ...	2·9	15 49	66
α Herculis ...	3·5	15 51	42
α Ophiuchi ...	2·1	16 3	47
72 Ophiuchi ...	3·7	16 25	55
ζ Aquilæ	3·0	17 38	44
β Aquilæ	3·9	18 5	62
α Aquilæ	0·9	18 6	57
γ Aquilæ	2·8	18 7	53
ε Delphini ...	4·0	18 55	51
α Delphini ...	3·9	19 21	38
ε Pegasi	2·5	20 2	55
ζ Pegasi	3·6	21 2	53
α Pegasi	2·6	21 42	41
ω Piscium... ..	4·0	22 9	62
γ Pegasi	2·9	22 50	41

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Eridani	3·2	1 54	104
ν ⁴ Eridani	3·6	3 10	152
ε Leporis	3·3	3 12	122
β Leporis	3·0	3 32	118
α Columbæ ...	2·7	4 33	153
ζ Canis Majoris	3·1	4 50	140
ο ² Canis Majoris	3·1	5 13	125
22 Canis Majoris	3·7	5 23	134
ε Canis Majoris	1·6	5 24	137
δ Canis Majoris	2·0	5 25	131
η Canis Majoris	2·4	5 51	138
ξ Argus	3·5	6 1	127
ρ Argus	2·9	6 18	125
α Mali	3·7	7 28	149
ξ Hydræ	3·7	10 8	144
ε Corvi	3·2	10 16	121
β Corvi	2·8	10 41	123
γ Hydræ	3·3	11 25	122
π Hydræ	3·5	12 22	131
γ Scorpīi	3·4	13 15	128
δ Scorpīi	2·5	14 5	122
β ¹ Scorpīi	2·9	14 6	116
π Scorpīi	3·0	14 12	130
σ Scorpīi	3·1	14 33	128
α Scorpīi	1·2	14 43	130
τ Scorpīi	2·9	14 56	135
θ Ophiuchi ...	3·4	15 33	127
ε Scorpīi	2·4	15 41	153
μ Sagittarii ...	4·0	16 17	119
γ Sagittarii ...	3·1	16 36	141
λ Sagittarii ...	2·9	16 40	129
δ Sagittarii ...	2·8	16 49	140
ξ Sagittarii ...	3·6	17 1	119
φ Sagittarii ...	3·3	17 3	132
σ Sagittarii ...	2·1	17 10	131
π Sagittarii ...	3·0	17 13	119
ε Sagittarii ...	2·0	17 17	154
τ Sagittarii ...	3·4	17 27	134
ζ Sagittarii ...	2·7	17 30	140
ζ Capricorni ...	3·9	19 33	123
ο ² Aquarii	3·8	21 14	120
α Piscis Australis	1·3	21 27	140
β Ceti	2·2	22 43	113

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 19	220
ϵ^2 Aquarii ...	3.8	0 56	240
β Ceti ...	2.2	2 35	247
ν^4 Eridani ...	3.6	5 20	208
γ Eridani ...	3.2	5 54	256
α Columbæ ...	2.7	6 41	207
ϵ Leporis ...	3.3	6 52	238
β Leporis ...	3.0	7 18	242
ζ Canis Majoris	3.1	7 44	220
ϵ Canis Majoris	1.6	8 26	223
22 Canis Majoris	3.7	8 33	226
δ Canis Majoris	2.0	8 45	229
σ^2 Canis Majoris	3.1	8 47	235
η Canis Majoris	2.4	8 51	222
ξ Argus ...	3.5	9 31	233
ρ Argus ...	2.9	9 50	235
α Mali ...	3.7	9 52	211
ξ Hydræ ...	3.7	12 50	216
ϵ Corvi ...	3.2	13 56	239
β Corvi ...	2.8	14 19	237
γ Hydræ ...	3.3	15 3	238
π Hydræ ...	3.5	15 42	229
γ Scorpii ...	3.4	16 43	232
π Scorpii ...	3.0	17 36	230
δ Scorpii ...	2.5	17 45	238
ϵ Scorpii ...	2.4	17 49	207
β^1 Scorpii ...	2.9	17 56	244
σ Scorpii ...	3.1	17 59	232
α Scorpii ...	1.2	18 5	230
τ Scorpii ...	2.9	18 6	225
θ Ophiuchi ...	3.4	19 1	233
ϵ Sagittarii ...	2.0	19 21	206
γ Sagittarii ...	3.1	19 26	219
δ Sagittarii ...	2.8	19 43	220
μ Sagittarii ...	4.0	20 1	241
λ Sagittarii ...	2.9	20 6	231
ϕ Sagittarii ...	3.3	20 19	228
ζ Sagittarii ...	2.7	20 24	220
σ Sagittarii ...	2.1	20 30	229
τ Sagittarii ...	3.4	20 37	226
ξ Sagittarii ...	3.6	20 45	241
π Sagittarii ...	3.0	20 57	241
ζ Capricorni ...	3.9	23 11	237

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 12	307
α Pegasi ...	2.6	0 20	319
γ Pegasi ...	2.9	1 28	319
ω Piscium ...	4.0	1 41	298
η Piscium ...	3.7	2 45	320
σ Tauri ...	3.8	5 0	303
ϵ Tauri ...	3.6	5 17	334
γ Tauri ...	3.9	5 31	321
α Tauri ...	1.1	5 42	324
π^3 Orionis ...	3.3	6 30	299
γ Orionis ...	1.7	7 7	298
α Orionis ...	1.2	7 35	300
γ Geminorum ...	1.9	7 43	325
ξ Geminorum ...	3.4	8 8	314
β Canis Minoris	3.1	9 4	303
α Canis Minoris	0.5	9 23	296
β Cancræ ...	3.8	9 50	305
ϵ Hydræ ...	3.5	10 27	299
ζ Hydræ ...	3.3	10 37	298
σ Leonis ...	3.8	11 13	307
α Leonis ...	1.3	11 33	313
ρ Leonis ...	3.9	12 6	306
θ Leonis ...	3.4	12 24	323
β Leonis ...	2.2	13 3	320
ϵ Virginis ...	3.0	14 30	310
η Boötis ...	2.8	14 46	333
α Boötis ...	0.2	15 0	337
γ Serpentis ...	3.9	17 7	323
γ Herculis ...	3.8	17 9	335
α Serpentis ...	2.8	17 25	299
ϵ Serpentis ...	3.8	17 36	294
α Herculis ...	3.5	18 31	318
κ Ophiuchi ...	3.4	18 32	305
α Ophiuchi ...	2.1	18 59	313
β Ophiuchi ...	2.9	19 29	294
72 Ophiuchi ...	3.7	19 41	305
ζ Aquilæ ...	3.0	20 26	316
γ Aquilæ ...	2.8	21 17	307
α Aquilæ ...	0.9	21 28	303
β Aquilæ ...	3.9	21 37	298
α Delphini ...	3.9	21 51	322
ϵ Delphini ...	4.0	22 3	309
ϵ Pegasi ...	2.5	23 18	305

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
η Piscium... ..	3.7	0 14	37
α Ceti	2.8	1 9	66
σ Tauri	3.8	1 42	54
π^3 Orionis	3.3	3 2	59
γ Tauri	3.9	3 4	36
α Tauri	1.1	3 26	32
γ Orionis	1.7	3 37	60
α Orionis	1.2	4 10	58
ξ Geminorum	3.4	5 18	43
γ Geminorum	1.9	5 29	32
β Canis Minoris	3.1	5 45	55
α Canis Minoris	0.5	5 49	62
β Cancrī	3.8	6 37	53
ϵ Hydræ	3.5	6 59	59
ζ Hydræ	3.3	7 7	60
σ Leonis	3.8	8 5	50
α Leonis	1.3	8 39	45
ρ Leonis	3.9	8 55	52
θ Leonis	3.4	10 2	34
β Leonis	2.2	10 32	37
δ Virginis	3.7	11 2	66
ϵ Virginis... ..	3.0	11 29	48
η Bootis	2.8	13 5	22
α Serpentis	2.8	13 57	59
ϵ Serpentis	3.8	14 0	64
γ Serpentis	3.9	14 45	34
κ Ophiuchi	3.4	15 19	52
β Ophiuchi	2.9	15 51	64
α Herculis	3.5	15 56	39
α Ophiuchi	2.1	16 7	44
γ^2 Ophiuchi	3.7	16 28	52
ζ Aquilæ	3.0	17 43	41
β Aquilæ	3.9	18 7	60
α Aquilæ	0.9	18 9	55
γ Aquilæ	2.8	18 10	50
ϵ Delphini	4.0	18 59	49
α Delphini	3.9	19 27	35
ϵ Pegasi	2.5	20 5	52
ζ Pegasi	3.6	21 5	50
α Pegasi	2.6	21 47	38
ω Piscium	4.0	22 11	60
γ Pegasi	2.9	22 55	38

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Eridani	3.2	1 53	102
ν^4 Eridani	3.6	3 3	149
ϵ Leporis	3.3	3 10	120
β Leporis	3.0	3 30	116
α Columbæ	2.7	4 26	149
ζ Canis Majoris	3.1	4 45	138
β Columbæ	3.2	4 49	155
σ^2 Canis Majoris	3.1	5 11	123
ϵ Canis Majoris	1.6	5 19	134
γ^2 Canis Majoris	3.7	5 19	132
δ Canis Majoris	2.0	5 21	128
η Canis Majoris	2.4	5 46	135
ξ Argus	3.5	5 58	125
ρ Argus	2.9	6 15	123
α Mali	3.7	7 21	146
ξ Hydræ	3.7	10 3	141
ϵ Corvi	3.2	10 14	120
β Corvi	2.8	10 39	121
γ Hydræ	3.3	11 23	120
π Hydræ	3.5	12 18	128
θ Centauri	2.3	13 5	156
γ Scorpii	3.4	13 12	125
δ Scorpii	2.5	14 3	120
β^1 Scorpii	2.9	14 5	114
π Scorpii	3.0	14 9	128
σ Scorpii	3.1	14 30	126
α Scorpii	1.2	14 40	128
τ Scorpii	2.9	14 52	132
θ Ophiuchi	3.4	15 30	125
ϵ Scorpii	2.4	15 34	150
μ Sagittarii	4.0	16 15	117
γ Sagittarii	3.1	16 31	139
λ Sagittarii	2.9	16 37	127
δ Sagittarii	2.8	16 44	137
ϕ Sagittarii	3.3	16 59	130
ξ Sagittarii	3.6	16 59	117
σ Sagittarii	2.1	17 7	129
ϵ Sagittarii	2.0	17 9	150
π Sagittarii	3.0	17 11	117
τ Sagittarii	3.4	17 23	132
ζ Sagittarii	2.7	17 25	138
ζ Capricorni	3.9	19 31	121
σ^2 Aquarii	3.8	21 12	118
α Piscis Australis	1.3	21 22	138
β Ceti	2.2	22 42	111

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 24	222
c^2 Aquarii ...	3.8	0 58	242
β Ceti ...	2.2	2 36	249
ν^4 Eridani ...	3.6	5 27	211
γ Eridani ...	3.2	5 55	258
β Columbæ ...	3.2	6 47	205
α Columbæ ...	2.7	6 48	211
ϵ Leporis ...	3.3	6 54	240
β Leporis ...	3.0	7 20	244
ζ Canis Majoris	3.1	7 49	222
ϵ Canis Majoris	1.6	8 31	226
22 Canis Majoris	3.7	8 37	228
o^2 Canis Majoris	3.1	8 49	237
δ Canis Majoris	2.0	8 49	232
η Canis Majoris	2.4	8 56	225
ξ Argus ...	3.5	9 34	235
ρ Argus ...	2.9	9 53	237
a Mali ...	3.7	9 59	214
ξ Hydræ ...	3.7	12 55	219
ϵ Corvi ...	3.2	13 58	240
β Corvi ...	2.8	14 21	239
θ Centauri ...	2.3	14 59	204
γ Hydræ ...	3.3	15 5	240
π Hydræ ...	3.5	15 46	232
γ Scorpii ...	3.4	16 46	235
π Scorpii ...	3.0	17 39	232
δ Scorpii ...	2.5	17 47	240
ϵ Scorpii ...	2.4	17 56	210
σ Scorpii ...	3.1	18 2	234
α Scorpii ...	1.2	18 8	232
τ Scorpii ...	2.9	18 10	228
θ Ophiuchi ...	3.4	19 4	235
ϵ Sagittarii ...	2.0	19 29	210
γ Sagittarii ...	3.1	19 31	221
δ Sagittarii ...	2.8	19 48	223
μ Sagittarii ...	4.0	20 3	243
λ Sagittarii ...	2.9	20 9	233
ϕ Sagittarii ...	3.3	20 23	230
ζ Sagittarii ...	2.7	20 29	222
σ Sagittarii ...	2.1	20 33	231
τ Sagittarii ...	3.4	20 41	228
ξ Sagittarii ...	3.6	20 47	243
π Sagittarii ...	3.0	20 59	243
ζ Capricorni ...	3.9	23 13	239

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 9	310
α Pegasi ...	2.6	0 15	322
γ Pegasi ...	2.9	1 23	322
ω Piscium...	4.0	1 39	300
η Piscium...	3.7	2 40	323
α Ceti ...	2.8	4 47	294
o Tauri ...	3.8	4 58	306
γ Tauri ...	3.9	5 26	324
α Tauri ...	1.1	5 36	328
π^3 Orionis ...	3.3	6 28	301
γ Orionis ...	1.7	7 5	300
α Orionis ...	1.2	7 32	302
γ Geminorum ...	1.9	7 37	328
ξ Geminorum ...	3.4	8 4	317
β Canis Minoris	3.1	9 1	305
α Canis Minoris	0.5	9 21	298
β Cancræ ...	3.8	9 47	307
ϵ Hydræ ...	3.5	10 25	301
ζ Hydræ ...	3.3	10 35	300
o Leonis ...	3.8	11 9	310
α Leonis ...	1.3	11 29	315
ρ Leonis ...	3.9	12 3	308
θ Leonis ...	3.4	12 18	326
β Leonis ...	2.2	12 58	323
ϵ Virginis...	3.0	14 27	312
η Bootis ...	2.8	14 37	338
δ Virginis ...	3.7	14 40	294
γ Serpentis ...	3.9	17 1	326
α Serpentis ...	2.8	17 23	301
ϵ Serpentis ...	3.8	17 34	296
α Herculis ...	3.5	18 26	321
κ Ophiuchi ...	3.4	18 29	308
α Ophiuchi ...	2.1	18 55	316
β Ophiuchi ...	2.9	19 27	296
72 Ophiuchi ...	3.7	19 38	308
ζ Aquilæ ...	3.0	20 21	319
γ Aquilæ ...	2.8	21 14	310
α Aquilæ ...	0.9	21 25	305
β Aquilæ ...	3.9	21 35	300
α Delphini ...	3.9	21 45	325
ϵ Delphini ...	4.0	21 59	311
ϵ Pegasi ...	2.5	23 15	308

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
η Piscium... ..	3·7	0 20	34
γ Ceti	3·7	0 50	66
α Ceti	2·8	1 11	64
ο Tauri	3·8	1 45	52
π ³ Orionis	3·3	3 5	57
γ Tauri	3·9	3 10	32
α Tauri	1·1	3 33	29
γ Orionis	1·7	3 40	58
α Orionis	1·2	4 12	55
ξ Geminorum ...	3·4	5 23	40
γ Geminorum ...	1·9	5 36	28
β Canis Minoris	3·1	5 48	53
α Canis Minoris	0·5	5 51	60
β Cancri	3·8	6 40	50
ε Hydræ	3·5	7 2	57
ζ Hydræ	3·3	7 9	58
ο Leonis	3·8	8 8	48
α Leonis	1·3	8 44	42
ρ Leonis	3·9	8 58	50
θ Leonis	3·4	10 9	31
β Leonis	2·2	10 38	34
δ Virginis... ..	3·7	11 4	64
ε Virginis... ..	3·0	11 33	45
α Serpentis ...	2·8	14 0	57
ε Serpentis ...	3·8	14 2	62
γ Serpentis ...	3·9	14 52	31
κ Ophiuchi ...	3·4	15 22	50
β Ophiuchi ...	2·9	15 53	62
α Herculis ...	3·5	16 1	36
α Ophiuchi ...	2·1	16 12	41
72 Ophiuchi ...	3·7	16 31	50
δ Aquilæ	3·4	17 32	66
ζ Aquilæ	3·0	17 48	38
β Aquilæ	3·9	18 9	58
α Aquilæ	0·9	18 12	52
γ Aquilæ	2·8	18 13	48
ε Delphini ...	4·0	19 3	46
α Delphini ...	3·9	19 33	32
ε Pegasi	2·5	20 8	50
ζ Pegasi	3·6	21 8	48
γ Piscium... ..	3·9	21 23	66
α Pegasi	2·6	21 53	35
ω Piscium... ..	4·0	22 14	58
γ Pegasi	2·9	23 0	35

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
υ ⁴ Eridani	3·6	2 57	146
ε Leporis	3·3	3 8	118
β Leporis	3·0	3 28	115
α Columbæ	2·7	4 19	146
β Columbæ	3·2	4 41	152
ζ Canis Majoris	3·1	4 41	135
ο ² Canis Majoris	3·1	5 8	121
ε Canis Majoris	1·6	5 15	132
22 Canis Majoris	3·7	5 15	130
δ Canis Majoris	2·0	5 18	126
η Canis Majoris	2·4	5 42	133
ξ Argus	3·5	5 56	123
ρ Argus	2·9	6 13	122
π Argus	2·7	6 16	156
α Mali	3·7	7 16	143
ξ Hydræ	3·7	9 58	139
ε Corvi	3·2	10 11	118
β Corvi	2·8	10 36	119
γ Hydræ	3·3	11 20	118
ι Centauri	2·9	12 12	154
π Hydræ	3·5	12 15	126
θ Centauri	2·3	12 56	153
γ Scorpii	3·4	13 10	123
δ Scorpii	2·5	14 1	118
π Scorpii	3·0	14 6	126
σ Scorpii	3·1	14 27	124
α Scorpii	1·2	14 37	126
τ Scorpii	2·9	14 48	130
ε Scorpii	2·4	15 27	147
θ Ophiuchi ...	3·4	15 27	123
μ Sagittarii ...	4·0	16 13	115
γ Sagittarii ...	3·1	16 26	136
υ Scorpii	2·8	16 29	157
λ Scorpii	1·7	16 30	156
λ Sagittarii ...	2·9	16 35	125
δ Sagittarii ...	2·8	16 40	135
φ Sagittarii ...	3·3	16 56	128
ξ Sagittarii ...	3·6	16 57	115
ε Sagittarii ...	2·0	17 2	147
σ Sagittarii ...	2·1	17 4	127
π Sagittarii ...	3·0	17 9	115
η Sagittarii ...	3·2	17 12	156
τ Sagittarii ...	3·4	17 19	130
ζ Sagittarii ...	2·7	17 21	135
ζ Capricorni ...	3·9	19 28	119
c ² Aquarii	3·8	21 10	116
α Piscis Australis	1·3	21 17	135
β Ceti	2·2	22 41	110

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 29	225
c^2 Aquarii ...	3.8	1 0	244
β Ceti ...	2.2	2 37	250
ν^1 Eridani ...	3.6	5 33	214
α Columbæ ...	2.7	6 55	214
β Columbæ ...	3.2	6 55	208
ϵ Leporis ...	3.3	6 56	242
β Leporis ...	3.3	7 22	245
ζ Canis Majoris	3.1	7 53	225
π Argus ...	2.7	8 12	204
ϵ Canis Majoris	1.6	8 35	228
22 Canis Majoris	3.7	8 41	230
σ^2 Canis Majoris	3.1	8 52	239
δ Canis Majoris	2.0	8 52	234
η Canis Majoris	2.4	9 0	227
ξ Argus ...	3.5	9 36	237
ρ Argus ...	2.9	9 55	238
α Mali ...	3.7	10 4	217
ξ Hydræ ...	3.7	13 0	221
ϵ Corvi ...	3.2	14 1	242
ι Centauri ...	2.9	14 20	206
β Corvi ...	2.8	14 24	241
γ Hydræ ...	3.3	15 8	242
θ Centauri ...	2.3	15 8	207
π Hydræ ...	3.5	15 49	234
γ Scorpii ...	3.4	16 48	237
π Scorpii ...	3.0	17 42	234
δ Scorpii ...	2.5	17 49	242
ϵ Scorpii ...	2.4	18 3	213
σ Scorpii ...	3.1	18 5	236
α Scorpii ...	1.2	18 11	234
τ Scorpii ...	2.9	18 14	230
ν Scorpii ...	2.8	18 21	203
λ Scorpii ...	1.7	18 26	204
θ Ophiuchi ...	3.4	19 7	237
η Sagittarii ...	3.2	19 12	204
γ Sagittarii ...	3.1	19 36	224
ϵ Sagittarii ...	2.0	19 36	213
δ Sagittarii ...	2.8	19 52	225
μ Sagittarii ...	4.0	20 5	245
λ Sagittarii ...	2.9	20 11	235
ϕ Sagittarii ...	3.3	20 26	232
ζ Sagittarii ...	2.7	20 33	225
σ Sagittarii ...	2.1	20 36	233
τ Sagittarii ...	3.4	20 45	230
ξ Sagittarii ...	3.6	20 49	245
π Sagittarii ...	3.0	21 1	245
ζ Capricorni ...	3.9	23 16	241

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 6	312
α Pegasi ...	2.6	0 9	325
γ Piscium ...	3.9	1 3	294
γ Pegasi ...	2.9	1 18	325
ω Piscium ...	4.0	1 36	302
η Piscium ...	3.7	2 34	326
γ Ceti ...	3.7	4 28	294
α Ceti ...	2.8	4 45	296
σ Tauri ...	3.8	4 55	308
γ Tauri ...	3.9	5 20	328
α Tauri ...	1.1	5 29	331
π^3 Orionis ...	3.3	6 25	303
γ Orionis ...	1.7	7 2	302
α Orionis ...	1.2	7 30	305
γ Geminorum ...	1.9	7 30	332
ξ Geminorum ...	3.4	7 59	320
β Canis Minoris	3.1	8 58	307
α Canis Minoris	0.5	9 19	300
β Cancræ ...	3.8	9 44	310
ϵ Hydræ ...	3.5	10 22	303
ζ Hydræ ...	3.3	10 33	302
σ Leonis ...	3.8	11 6	312
α Leonis ...	1.3	11 24	318
ρ Leonis ...	3.9	12 0	310
θ Leonis ...	3.4	12 11	329
β Leonis ...	2.2	12 52	326
ϵ Virginis ...	3.0	14 23	315
δ Virginis ...	3.7	14 38	296
γ Serpentis ...	3.9	16 54	329
α Serpentis ...	2.8	17 20	303
ϵ Serpentis ...	3.8	17 32	298
α Herculis ...	3.5	18 21	324
χ Ophiuchi ...	3.4	18 26	310
α Ophiuchi ...	2.1	18 50	319
β Ophiuchi ...	2.9	19 25	298
72 Ophiuchi ...	3.7	19 35	310
ζ Aquilæ ...	3.0	20 16	322
δ Aquilæ ...	3.4	21 10	294
γ Aquilæ ...	2.8	21 11	312
α Aquilæ ...	0.9	21 22	308
β Aquilæ ...	3.9	21 33	302
α Delphini ...	3.9	21 39	328
ϵ Delphini ...	4.0	21 55	314
ϵ Pegasi ...	2.5	23 12	310

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
η Piscium... ..	3·7	0 26	31
γ Ceti	3·7	0 52	64
α Ceti	2·8	1 13	62
ο Tauri	3·8	1 49	50
π ³ Orionis	3·3	3 7	55
γ Tauri	3·9	3 17	29
α Tauri	1·1	3 41	25
γ Orionis	1·7	3 42	56
α Orionis	1·2	4 15	53
ξ Geminorum	3·4	5 28	37
γ <i>Geminorum</i>	1·9	5 44	24
β Canis Minoris	3·1	5 51	50
α Canis Minoris	0·5	5 54	58
β Cancri	3·8	6 43	48
ε Hydræ	3·5	7 4	55
ζ Hydræ	3·3	7 12	56
ο Leonis	3·8	8 12	46
α Leonis	1·3	8 48	39
ρ Leonis	3·9	9 1	47
β <i>Virginis</i>	3·8	9 57	66
θ Leonis	3·4	10 16	27
β Leonis	2·2	10 45	30
δ Virginis... ..	3·7	11 6	62
ε Virginis... ..	3·0	11 38	42
α Serpentis	2·8	14 2	55
ε Serpentis	3·8	14 4	60
λ <i>Ophiuchi</i>	3·9	14 38	66
γ Serpentis	3·9	14 59	27
κ Ophiuchi	3·4	15 26	48
β Ophiuchi	2·9	15 56	60
α Herculis	3·5	16 7	32
α Ophiuchi	2·1	16 16	39
72 Ophiuchi	3·7	16 35	48
δ Aquilæ	3·4	17 34	64
ζ Aquilæ	3·0	17 53	35
β Aquilæ	3·9	18 12	56
α Aquilæ	0·9	18 15	50
γ Aquilæ	2·8	18 17	45
ε Delphini	4·0	19 7	44
α Delphini	3·9	19 40	28
ε Pegasi	2·5	20 12	48
ζ Pegasi	3·6	21 12	45
γ Piscium... ..	3·9	21 25	64
α Pegasi	2·6	21 59	31
ω Piscium... ..	4·0	22 16	56
γ Pegasi	2·9	23 6	31

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
υ ⁴ Eridani	3·6	2 51	143
ε Leporis	3·3	3 6	116
α Columbæ	2·7	4 13	144
β Columbæ	3·2	4 34	149
ζ Canis Majoris	3·1	4 37	133
ο ² Canis Majoris	3·1	5 6	119
ε Canis Majoris	1·6	5 11	130
22 Canis Majoris	3·7	5 12	128
δ Canis Majoris	2·0	5 16	125
η Canis Majoris	2·4	5 38	131
ξ Argus	3·5	5 53	121
π Argus	2·7	6 8	153
ρ Argus	2·9	6 10	120
α Mali	3·7	7 11	140
ξ Hydræ	3·7	9 54	136
ε Corvi	3·2	10 9	116
β Corvi	2·8	10 34	117
γ Hydræ	3·3	11 18	117
ι Centauri	2·9	12 5	150
π Hydræ	3·5	12 13	125
θ Centauri	2·3	12 49	150
γ Scorpīi	3·4	13 7	122
δ Scorpīi	2·5	13 59	116
π Scorpīi	3·0	14 4	124
σ Scorpīi	3·1	14 25	123
α Scorpīi	1·2	14 34	124
τ Scorpīi	2·9	14 45	128
ε Scorpīi	2·4	15 21	144
θ Ophiuchi	3·4	15 25	122
υ Scorpīi	2·8	16 20	153
λ Scorpīi	1·7	16 22	153
γ Sagittatīi	3·1	16 22	134
λ Sagittariī	2·9	16 32	123
δ Sagittariī	2·8	16 36	133
φ Sagittariī	3·3	16 53	126
ε Sagittariī	2·0	16 56	145
σ Sagittariī	2·1	17 1	125
η Sagittariī	3·2	17 4	152
τ Sagittariī	3·4	17 16	128
ζ Sagittariī	2·7	17 17	133
ζ Capricorni	3·9	19 26	117
γ <i>Gruis</i>	3·2	20 49	156
ο ² Aquarii	3·8	21 8	115
α Piscis Australis	1·3	21 13	133
β <i>Ceti</i>	2·2	22 39	108

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 33	227
ϵ^2 Aquarii ...	3.8	1 2	245
β Ceti ...	2.2	2 39	252
ν^4 Eridani ...	3.6	5 39	217
ϵ Leporis ...	3.3	6 58	244
α Columbæ ...	2.7	7 1	216
β Columbæ ...	3.2	7 2	211
ζ Canis Majoris	3.1	7 57	227
π Argus ...	2.7	8 20	207
ϵ Canis Majoris	1.6	8 39	230
22 Canis Majoris	3.7	8 44	232
σ^2 Canis Majoris	3.1	8 54	241
δ Canis Majoris	2.0	8 54	235
η Canis Majoris	2.4	9 4	229
ξ Argus ...	3.5	9 39	239
ρ Argus ...	2.9	9 58	240
α Mali ...	3.7	10 9	220
ξ Hydræ ...	3.7	13 4	224
ϵ Corvi ...	3.2	14 3	244
β Corvi ...	2.8	14 26	243
ι Centauri ...	2.9	14 27	210
γ Hydræ ...	3.3	15 10	243
θ Centauri ...	2.3	15 15	210
π Hydræ ...	3.5	15 51	235
γ Scorpii ...	3.4	16 51	238
π Scorpii ...	3.0	17 44	236
δ Scorpii ...	2.5	17 51	244
σ Scorpii ...	3.1	18 7	237
ϵ Scorpii ...	2.4	18 9	216
α Scorpii ...	1.2	18 14	236
τ Scorpii ...	2.9	18 17	232
ν Scorpii ...	2.8	18 30	207
λ Scorpii ...	1.7	18 34	207
θ Ophiuchi ...	3.4	19 9	238
η Sagittarii ...	3.2	19 20	208
γ Sagittarii ...	3.1	19 40	226
ϵ Sagittarii ...	2.0	19 42	215
δ Sagittarii ...	2.8	19 56	227
λ Sagittarii ...	2.9	20 14	237
ϕ Sagittarii ...	3.3	20 29	234
ζ Sagittarii ...	2.7	20 37	227
σ Sagittarii ...	2.1	20 39	235
τ Sagittarii ...	3.4	20 48	232
γ Gruis ...	3.2	22 49	204
ζ Capricorni ...	3.9	23 18	243

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Pegasi ...	3.6	0 2	315
α Pegasi ...	2.6	0 3	329
γ Piscium ...	3.9	1 1	296
γ Pegasi ...	2.9	1 12	329
ω Piscium ...	4.0	1 34	304
η Piscium ...	3.7	2 28	329
γ Ceti ...	3.7	4 26	296
α Ceti ...	2.8	4 43	298
σ Tauri ...	3.8	4 51	310
γ Tauri ...	3.9	5 13	331
α Tauri ...	1.1	5 21	335
π^3 Orionis ...	3.3	6 23	305
γ Orionis ...	1.7	7 0	304
γ Geminorum ...	1.9	7 22	336
α Orionis ...	1.2	7 27	307
ξ Geminorum ...	3.4	7 54	323
β Canis Minoris	3.1	8 55	310
α Canis Minoris	0.5	9 16	302
β Cancri ...	3.8	9 41	312
ϵ Hydræ ...	3.5	10 20	305
ζ Hydræ ...	3.3	10 30	304
σ Leonis ...	3.8	11 2	314
α Leonis ...	1.3	11 20	321
ρ Leonis ...	3.9	11 57	313
θ Leonis ...	3.4	12 4	333
β Leonis ...	2.2	12 45	330
β Virginis ...	3.8	13 35	294
ϵ Virginis ...	3.0	14 18	318
δ Virginis ...	3.7	14 36	298
γ Serpentis ...	3.9	16 47	333
α Serpentis ...	2.8	17 18	305
ϵ Serpentis ...	3.8	17 30	300
α Herculis ...	3.5	18 15	328
λ Ophiuchi ...	3.9	18 16	294
κ Ophiuchi ...	3.4	18 22	312
α Ophiuchi ...	2.1	18 46	321
β Ophiuchi ...	2.9	19 22	300
72 Ophiuchi ...	3.7	19 31	312
ζ Aquilæ ...	3.0	20 11	325
γ Aquilæ ...	2.8	21 7	315
δ Aquilæ ...	3.4	21 8	296
α Aquilæ ...	0.9	21 19	310
β Aquilæ ...	3.9	21 30	304
α Delphini ...	3.9	21 32	332
ϵ Delphini ...	4.0	21 51	316
ϵ Pegasi ...	2.5	23 8	312

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η Piscium... ..	3·7	0 33	27
γ Ceti	3·7	0 54	62
α Ceti	2·8	1 15	60
ο Tauri	3·8	1 52	47
π ³ Orionis	3·3	3 10	52
γ Tauri	3·9	3 25	25
γ Orionis	1·7	3 45	54
α Orionis	1·2	4 19	51
ξ Geminorum	3·4	5 34	34
β Canis Minoris	3·1	5 54	48
α Canis Minoris	0·5	5 56	56
β Cancrī	3·8	6 47	46
ε Hydræ	3·5	7 7	53
ζ Hydræ	3·3	7 15	54
ο Leonis	3·8	8 16	43
α Leonis	1·3	8 53	36
ρ Leonis	3·9	9 5	45
β Virginis... ..	3·8	9 59	63
θ Leonis	3·4	10 25	22
β Leonis	2·2	10 52	26
δ Virginis... ..	3·7	11 8	60
ε Virginis... ..	3·0	11 42	39
α Serpentis	2·8	14 5	53
ε Serpentis	3·8	14 6	58
λ Ophiuchi	3·9	14 40	63
γ Serpentis	3·9	15 8	22
κ Ophiuchi	3·4	15 29	45
β Ophiuchi	2·9	15 58	58
α Herculis	3·5	16 14	29
α Ophiuchi	2·1	16 21	36
72 Ophiuchi	3·7	16 38	45
δ Aquilæ	3·4	17 36	62
ζ Aquilæ	3·0	17 59	32
β Aquilæ	3·9	18 15	54
α Aquilæ	0·9	18 19	48
γ Aquilæ	2·8	18 21	43
ε Delphini	4·0	19 11	41
α Delphini	3·9	19 48	24
ε Pegasi	2·5	20 15	45
ζ Pegasi	3·6	21 16	43
γ Piscium	3·9	21 27	62
α Pegasi	2·6	22 6	27
ω Piscium... ..	4·0	22 19	53
γ Pegasi	2·9	23 13	28

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
υ ⁴ Eridani	3·6	2 46	141
ε Leporis	3·3	3 4	115
α Columbæ	2·7	4 8	141
β Columbæ	3·2	4 27	146
ζ Canis Majoris	3·1	4 33	131
ο ² Canis Majoris	3·1	5 3	117
ε Canis Majoris	1·6	5 8	128
22 Canis Majoris	3·7	5 9	126
δ Canis Majoris	2·0	5 13	123
η Canis Majoris	2·4	5 35	129
ξ Argus	3·5	5 51	119
π Argus	2·7	6 0	150
ρ Argus	2·9	6 8	118
α Mali	3·7	7 6	138
ξ Hydræ	3·7	9 50	134
ε Corvi	3·2	10 7	114
β Corvi	2·8	10 32	115
γ Hydræ	3·3	11 16	115
ι Centauri	2·9	11 58	147
π Hydræ	3·5	12 10	123
θ Centauri	2·3	12 42	147
γ Scorpii	3·4	13 4	120
δ Scorpii	2·5	13 57	114
π Scorpii	3·0	14 1	122
σ Scorpii	3·1	14 22	121
α Scorpii	1·2	14 31	122
τ Scorpii	2·9	14 42	126
ε Scorpii	2·4	15 16	141
θ Ophiuchi	3·4	15 22	120
υ Scorpii	2·8	16 13	150
λ Scorpii	1·7	16 14	150
γ Sagittarii	3·1	16 18	132
λ Sagittarii	2·9	16 29	121
δ Sagittarii	2·8	16 32	130
κ Scorpii	2·5	16 38	157
φ Sagittarii	3·3	16 50	124
ε Sagittarii	2·0	16 51	142
η Sagittarii	3·2	16 57	149
σ Sagittarii	2·1	16 58	123
ζ Sagittarii	2·7	17 13	131
τ Sagittarii	3·4	17 13	126
ζ Capricorni	3·9	19 24	115
γ Gruis	3·2	20 41	152
α Piscis Australis	1·3	21 9	131
β Ceti	2·2	22 38	106

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 37	229
β Ceti ...	2.2	2 40	254
ν^4 Eridani ...	3.6	5 44	219
ϵ Leporis ...	3.3	7 0	245
α Columbæ ...	2.7	7 6	219
β Columbæ ...	3.2	7 9	214
ζ Canis Majoris	3.1	8 1	229
π Argus ...	2.7	8 28	210
ϵ Canis Majoris	1.6	8 42	232
22 Canis Majoris	3.7	8 47	234
σ^2 Canis Majoris	3.1	8 57	243
δ Canis Majoris	2.0	8 57	237
η Canis Majoris	2.4	9 7	231
ξ Argus ...	3.5	9 41	241
ρ Argus ...	2.9	10 0	242
α Mali ...	3.7	10 14	222
ξ Hydræ ...	3.7	13 8	226
ϵ Corvi ...	3.2	14 5	246
β Corvi ...	2.8	14 28	245
ι Centauri ...	2.9	14 34	213
γ Hydræ ...	3.3	15 12	245
θ Centauri ...	2.3	15 22	213
π Hydræ ...	3.5	15 54	237
γ Scorpii ...	3.4	16 54	240
π Scorpii ...	3.0	17 47	238
δ Scorpii ...	2.5	17 53	246
σ Scorpii ...	3.1	18 10	239
ϵ Scorpii ...	2.4	18 14	219
α Scorpii ...	1.2	18 17	238
τ Scorpii ...	2.9	18 20	234
κ Scorpii ...	2.5	18 36	203
ν Scorpii ...	2.8	18 37	210
λ Scorpii ...	1.7	18 42	210
θ Ophiuchi ...	3.4	19 12	240
η Sagittarii ...	3.2	19 27	211
γ Sagittarii ...	3.1	19 44	228
ϵ Sagittarii ...	2.0	19 47	218
δ Sagittarii ...	2.8	20 0	230
λ Sagittarii ...	2.9	20 17	239
ϕ Sagittarii ...	3.3	20 32	236
ζ Sagittarii ...	2.7	20 41	229
σ Sagittarii ...	2.1	20 42	237
τ Sagittarii ...	3.4	20 51	234
γ Gruis ...	3.2	22 57	208
ζ Capricorni ...	3.9	23 20	245

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Piscium... ..	3.9	0 59	298
γ Pegasi	2.9	1 5	332
ω Piscium... ..	4.0	1 31	307
η Piscium... ..	3.7	2 21	333
γ Ceti	3.7	4 24	298
α Ceti	2.8	4 41	300
σ Tauri	3.8	4 48	313
γ Tauri	3.9	5 5	335
π^3 Orionis	3.3	6 20	308
γ Orionis	1.7	6 57	306
α Orionis	1.2	7 23	309
ξ Geminorum ...	3.4	7 48	326
β Canis Minoris	3.1	8 52	312
α Canis Minoris	0.5	9 14	304
β Cancræ	3.8	9 37	314
ϵ Hydræ	3.5	10 17	307
ζ Hydræ	3.3	10 27	306
σ Leonis	3.8	10 58	317
α Leonis	1.3	11 15	324
ρ Leonis	3.9	11 53	315
θ Leonis	3.4	11 55	338
β Leonis	2.2	12 38	334
β Virginis	3.8	13 33	297
ϵ Virginis	3.0	14 14	321
δ Virginis	3.7	14 34	300
γ Serpentis ...	3.9	16 38	338
α Serpentis	2.8	17 15	307
ϵ Serpentis	3.8	17 28	302
α Herculis	3.5	18 8	331
λ Ophiuchi	3.9	18 14	297
κ Ophiuchi	3.4	18 19	315
α Ophiuchi	2.1	18 41	324
β Ophiuchi	2.9	19 20	302
72 Ophiuchi	3.7	19 28	315
ζ Aquilæ	3.0	20 5	328
γ Aquilæ	2.8	21 3	317
δ Aquilæ	3.4	21 6	298
α Aquilæ	0.9	21 15	312
α Delphini	3.9	21 24	336
β Aquilæ	3.9	21 27	306
ϵ Delphini	4.0	21 47	319
ϵ Pegasi	2.5	23 5	315
α Pegasi	2.6	23 56	333
ζ Pegasi	3.6	23 58	317

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
η <i>Piscium</i>	3.7	0 42	22
δ <i>Ceti</i>	4.0	0 45	66
γ <i>Ceti</i>	3.7	0 56	60
α <i>Ceti</i>	2.8	1 17	58
ο <i>Tauri</i>	3.8	1 56	45
π ³ <i>Orionis</i>	3.3	3 14	50
γ <i>Orionis</i>	1.7	3 48	51
α <i>Orionis</i>	1.2	4 22	48
ξ <i>Geminorum</i> ...	3.4	5 40	31
β <i>Canis Minoris</i>	3.1	5 58	45
α <i>Canis Minoris</i>	0.5	5 59	54
β <i>Cancrī</i>	3.8	6 51	43
ε <i>Hydræ</i>	3.5	7 10	50
ζ <i>Hydræ</i>	3.3	7 18	52
ο <i>Leonis</i>	3.8	8 21	40
α <i>Leonis</i>	1.3	8 59	33
ρ <i>Leonis</i>	3.9	9 9	42
β <i>Virginis</i>	3.8	10 1	61
δ <i>Virginis</i>	3.7	11 10	58
ε <i>Virginis</i>	3.0	11 47	36
α <i>Serpentis</i>	2.8	14 8	50
ε <i>Serpentis</i>	3.8	14 9	55
λ <i>Ophiuchi</i>	3.9	14 42	61
κ <i>Ophiuchi</i>	3.4	15 34	42
β <i>Ophiuchi</i>	2.9	16 1	56
α <i>Herculis</i>	3.5	16 22	24
α <i>Ophiuchi</i>	2.1	16 28	32
72 <i>Ophiuchi</i>	3.7	16 43	42
δ <i>Aquilæ</i>	3.4	17 38	60
ζ <i>Aquilæ</i>	3.0	18 6	28
β <i>Aquilæ</i>	3.9	18 18	52
α <i>Aquilæ</i>	0.9	18 23	45
γ <i>Aquilæ</i>	2.8	18 26	40
ε <i>Delphini</i>	4.0	19 16	38
ε <i>Pegasi</i>	2.5	20 20	42
ζ <i>Pegasi</i>	3.6	21 21	40
γ <i>Piscium</i>	3.9	21 30	60
α <i>Pegasi</i>	2.6	22 15	23
ω <i>Piscium</i>	4.0	22 22	51
γ <i>Pegasi</i>	2.9	23 22	23

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
υ ⁴ <i>Eridani</i>	3.6	2 41	138
α <i>Columbæ</i>	2.7	4 3	139
β <i>Columbæ</i>	3.2	4 21	143
ζ <i>Canis Majoris</i>	3.1	4 30	129
ο ² <i>Canis Majoris</i>	3.1	5 1	115
ε <i>Canis Majoris</i>	1.6	5 5	126
22 <i>Canis Majoris</i>	3.7	5 6	124
δ <i>Canis Majoris</i>	2.0	5 10	121
η <i>Canis Majoris</i>	2.4	5 32	127
ξ <i>Argus</i>	3.5	5 49	117
π <i>Argus</i>	2.7	5 53	147
ρ <i>Argus</i>	2.9	6 6	116
ζ <i>Argus</i>	2.3	7 0	156
α <i>Mali</i>	3.7	7 2	136
ψ <i>Argus</i>	3.6	8 29	157
ξ <i>Hydræ</i>	3.7	9 46	132
β <i>Corvi</i>	2.8	10 31	113
ι <i>Centauri</i>	2.9	11 52	145
π <i>Hydræ</i>	3.5	12 7	121
θ <i>Centauri</i>	2.3	12 36	144
γ <i>Scorpii</i>	3.4	13 2	118
π <i>Scorpii</i>	3.0	13 59	120
σ <i>Scorpii</i>	3.1	14 20	119
α <i>Scorpii</i>	1.2	14 29	120
τ <i>Scorpii</i>	2.9	14 39	124
ε <i>Scorpii</i>	2.4	15 11	139
θ <i>Ophiuchi</i>	3.4	15 20	118
υ <i>Scorpii</i>	2.8	16 6	147
λ <i>Scorpii</i>	1.7	16 7	147
γ <i>Sagittarii</i>	3.1	16 15	130
λ <i>Sagittarii</i>	2.9	16 27	119
δ <i>Sagittarii</i>	2.8	16 28	128
κ <i>Scorpii</i>	2.5	16 29	153
ι ¹ <i>Scorpii</i>	3.1	16 43	157
ε <i>Sagittarii</i>	2.0	16 46	140
φ <i>Sagittarii</i>	3.3	16 47	122
η <i>Sagittarii</i>	3.2	16 50	146
σ <i>Sagittarii</i>	2.1	16 55	121
ζ <i>Sagittarii</i>	2.7	17 10	129
τ <i>Sagittarii</i>	3.4	17 10	124
ζ <i>Capricorni</i>	3.9	19 23	113
γ <i>Gruis</i>	3.2	20 33	149
α <i>Piscis Australis</i>	1.3	21 6	129
β <i>Ceti</i>	2.2	22 37	104

SW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
α Piscis Australis	1.3	0 40	231	
β Ceti	2.2	2 41	256	
ν^4 Eridani	3.6	5 49	222	
α Columbæ	2.7	7 11	221	
β Columbæ	3.2	7 15	217	
ζ Canis Majoris	3.1	8 4	231	
π Argus	2.7	8 35	213	
ϵ Canis Majoris	1.6	8 45	234	
γ^2 Canis Majoris	3.7	8 50	236	
δ^2 Canis Majoris	3.1	8 59	245	
δ Canis Majoris	2.0	9 0	239	
ζ Argus	2.3	9 2	204	
η Canis Majoris	2.4	9 10	233	
ξ Argus	3.5	9.43	243	
ρ Argus	2.9	10 2	244	
α Mali	3.7	10 18	224	
ψ Argus	3.6	10 27	203	
ξ Hydræ	3.7	13 12	228	
β Corvi	2.8	14 29	247	
ι Centauri	2.9	14 40	215	
θ Centauri	2.3	15 28	216	
π Hydræ	3.5	15 57	239	
γ Scorpii	3.4	16 56	242	
π Scorpii	3.0	17 49	240	
σ Scorpii	3.1	18 12	241	
α Scorpii	1.2	18 19	240	
ϵ Scorpii	2.4	18 19	221	
τ Scorpii	2.9	18 23	236	
ι^1 Scorpii	3.1	18 41	203	
ν Scorpii	2.8	18 44	213	
κ Scorpii	2.5	18 45	207	
λ Scorpii	1.7	18 49	213	
θ Ophiuchi	3.4	19 14	242	
η Sagittarii	3.2	19 34	214	
γ Sagittarii	3.1	19 47	230	
ϵ Sagittarii	2.0	19 52	220	
δ Sagittarii	2.8	20 4	232	
λ Sagittarii	2.9	20 19	241	
ϕ Sagittarii	3.3	20 35	238	
ζ Sagittarii	2.7	20 44	231	
σ Sagittarii	2.1	20 45	239	
τ Sagittarii	3.4	20 54	236	
γ Gruis	3.2	23 5	211	
ζ Capricorni	3.9	23 21	247	

NW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
γ Piscium... ..	3.9	0 56	300	
γ Pegasi	2.9	0 56	337	
ω Piscium... ..	4.0	1 28	309	
η Piscium... ..	3.7	2 12	338	
γ Ceti	3.7	4 22	300	
δ Ceti	4.0	4 25	294	
α Ceti	2.8	4 39	302	
\circ Tauri	3.8	4 44	315	
π^3 Orionis	3.3	6 16	310	
γ Orionis	1.7	6 54	309	
α Orionis	1.2	7 20	312	
ξ Geminorum ...	3.4	7 42	329	
β Canis Minoris	3.1	8 48	315	
α Canis Minoris	0.5	9 11	306	
β Cancræ	3.8	9 33	317	
ϵ Hydræ	3.5	10 14	310	
ζ Hydræ	3.3	10 24	308	
\circ Leonis	3.8	10 53	320	
α Leonis	1.3	11 9	327	
ρ Leonis	3.9	11 49	318	
β Virginis... ..	3.8	13 31	299	
ϵ Virginis... ..	3.0	14 9	324	
δ Virginis... ..	3.7	14 32	302	
α Serpentis	2.8	17 12	310	
ϵ Serpentis	3.8	17 25	305	
α Herculis	3.5	18 0	336	
λ Ophiuchi	3.9	18 12	299	
κ Ophiuchi	3.4	18 14	318	
α Ophiuchi	2.1	18 34	328	
β Ophiuchi	2.9	19 17	304	
γ^2 Ophiuchi	3.7	19 23	318	
ζ Aquilæ	3.0	19 58	332	
γ Aquilæ	2.8	20 58	320	
δ Aquilæ	3.4	21 4	300	
α Aquilæ	0.9	21 11	315	
β Aquilæ	3.9	21 24	308	
ϵ Delphini	4.0	21 42	322	
ϵ Pegasi	2.5	23 0	318	
α Pegasi	2.6	23 47	337	
ζ Pegasi	3.6	23 53	320	

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Ceti	4.0	0 47	64
γ Ceti	3.7	0 59	58
α Ceti	2.8	1 20	55
ο Tauri	3.8	2 0	42
π ³ Orionis	3.3	3 18	48
δ Orionis	2.5	3 39	65
γ Orionis	1.7	3 51	49
α Orionis	1.2	4 26	46
ξ Geminorum ...	3.4	5 48	27
α Canis Minoris	0.5	6 2	51
β Canis Minoris	3.1	6 3	43
β Cancrī	3.8	6 56	40
ε Hydræ	3.5	7 14	48
ζ Hydræ	3.3	7 21	49
ο Leonis	3.8	8 26	37
α Leonis	1.3	9 6	29
ρ Leonis	3.9	9 14	39
β Virginis... ..	3.8	10 4	59
η Virginis... ..	4.0	10 28	65
δ Virginis... ..	3.7	11 13	55
ζ Virginis... ..	3.4	11 43	65
ε Virginis... ..	3.0	11 53	33
α Serpentis ...	2.8	14 12	48
ε Serpentis ...	3.8	14 12	53
λ Ophiuchi ...	3.9	14 45	59
κ Ophiuchi ...	3.4	15 39	39
β Ophiuchi ...	2.9	16 4	53
α Ophiuchi ...	2.1	16 35	28
72 Ophiuchi ...	3.7	16 48	39
δ Aquilæ	3.4	17 41	57
ζ Aquilæ	3.0	18 14	24
β Aquilæ	3.9	18 21	49
α Aquilæ	0.9	18 27	42
γ Aquilæ	2.8	18 31	37
ε Delphini ...	4.0	19 22	34
α Aquarii	3.2	20 13	66
ε Pegasi	2.5	20 25	39
ζ Pegasi	3.6	21 26	37
γ Piscium... ..	3.9	21 32	58
ω Piscium... ..	4.0	22 26	49

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani	3.0	1 51	155
υ ⁴ Eridani	3.6	2 36	136
α Columbæ	2.7	3 58	136
β Columbæ	3.2	4 16	141
ζ Canis Majoris	3.1	4 27	127
ε Canis Majoris	1.6	5 2	124
22 Canis Majoris	3.7	5 3	122
δ Canis Majoris	2.0	5 8	119
η Canis Majoris	2.4	5 29	125
ξ Argus	3.5	5 46	115
π Argus	2.7	5 47	144
ρ Argus	2.9	6 4	114
ζ Argus	2.3	6 51	153
α Mali	3.7	6 58	133
ψ Argus	3.6	8 20	154
ξ Hydræ	3.7	9 42	130
β Corvi	2.8	10 29	112
ι Centauri	2.9	11 46	142
π Hydræ	3.5	12 5	119
θ Centauri	2.3	12 31	141
γ Scorpīi	3.4	13 0	116
π Scorpīi	3.0	13 56	118
σ Scorpīi	3.1	14 18	117
α Scorpīi	1.2	14 27	119
113 G Lupi... ..	3.0	14 29	157
τ Scorpīi	2.9	14 37	122
ε Scorpīi	2.4	15 7	136
θ Ophiuchi ...	3.4	15 18	116
υ Scorpīi	2.8	16 0	144
λ Scorpīi	1.7	16 1	144
γ Sagittarii ...	3.1	16 12	128
κ Scorpīi	2.5	16 22	150
δ Sagittarii ...	2.8	16 25	126
λ Sagittarii ...	2.9	16 25	117
ι ¹ Scorpīi	3.1	16 34	154
ε Sagittarii ...	2.0	16 41	137
η Sagittarii ...	3.2	16 44	143
φ Sagittarii ...	3.3	16 45	120
σ Sagittarii ...	2.1	16 53	119
ζ Sagittarii ...	2.7	17 7	127
τ Sagittarii ...	3.4	17 7	122
ζ Capricorni ...	3.9	19 21	112
γ Gruis	3.2	20 26	146
α Piscis Australis	1.3	21 3	127
β Ceti	2.2	22 36	103

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 43	233
β Ceti	2.2	2 42	257
θ Eridani	3.0	3 59	205
ν^4 Eridani	3.6	5 54	224
α Columbæ	2.7	7 16	224
β Columbæ	3.2	7 20	219
ζ Canis Majoris	3.1	8 7	233
π Argus	2.7	8 41	216
ϵ Canis Majoris	1.6	8 48	236
22 Canis Majoris	3.7	8 53	238
δ Canis Majoris	2.0	9 2	241
ζ Argus	2.3	9 11	207
η Canis Majoris	2.4	9 13	235
ξ Argus	3.5	9 46	245
ρ Argus	2.9	10 4	246
α Mali	3.7	10 22	227
ψ Argus	3.6	10 36	206
ξ Hydræ	3.7	13 16	230
β Corvi	2.8	14 31	248
ι Centauri	2.9	14 46	218
θ Centauri	2.3	15 33	219
π Hydræ	3.5	15 59	241
113G Lupi	3.0	16 31	203
γ Scorpii	3.4	16 58	244
π Scorpii	3.0	17 52	242
σ Scorpii	3.1	18 14	243
α Scorpii	1.2	18 21	241
ϵ Scorpii	2.4	18 23	224
τ Scorpii	2.9	18 25	238
ν Scorpii	2.8	18 50	216
ι^1 Scorpii	3.1	18 50	206
κ Scorpii	2.5	18 52	210
λ Scorpii	1.7	18 55	216
θ Ophiuchi	3.4	19 16	244
η Sagittarii	3.2	19 40	217
γ Sagittarii	3.1	19 50	232
ϵ Sagittarii	2.0	19 57	223
δ Sagittarii	2.8	20 7	234
λ Sagittarii	2.9	20 21	243
ϕ Sagittarii	3.3	20 37	240
σ Sagittarii	2.1	20 47	241
ζ Sagittarii	2.7	20 47	233
τ Sagittarii	3.4	20 57	238
γ Gruis	3.2	23 12	214
ζ Capricorni	3.9	23 23	248

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Piscium... ..	3.9	0 54	302
ω Piscium... ..	4.0	1 24	311
γ Ceti	3.7	4 19	302
δ Ceti	4.0	4 23	296
α Ceti	2.8	4 36	305
σ Tauri	3.8	4 40	318
π^3 Orionis	3.3	6 12	312
γ Orionis	1.7	6 51	311
α Orionis	1.2	7 16	314
δ Orionis	2.5	7 17	295
ξ Geminorum	3.4	7 34	333
β Canis Minoris	3.1	8 43	317
α Canis Minoris	0.5	9 8	309
β Cancri	3.8	9 28	320
ϵ Hydræ	3.5	10 10	312
ζ Hydræ	3.3	10 21	311
σ Leonis	3.8	10 48	323
α Leonis	1.3	11 2	331
ρ Leonis	3.9	11 44	321
β Virginis... ..	3.8	13 28	301
ϵ Virginis... ..	3.0	14 3	327
η Virginis... ..	4.0	14 4	295
δ Virginis... ..	3.7	14 29	305
ζ Virginis... ..	3.4	15 19	295
α Serpentis	2.8	17 8	312
ϵ Serpentis	3.8	17 22	307
λ Ophiuchi	3.9	18 9	301
κ Ophiuchi	3.4	18 9	321
α Ophiuchi	2.1	18 27	332
β Ophiuchi	2.9	19 14	307
72 Ophiuchi	3.7	19 18	321
ζ Aquilæ	3.0	19 50	336
γ Aquilæ	2.8	20 53	323
δ Aquilæ	3.4	21 1	303
α Aquilæ	0.9	21 7	318
β Aquilæ	3.9	21 21	311
ϵ Delphini	4.0	21 36	326
ϵ Pegasi	2.5	22 55	321
ζ Pegasi	3.6	23 48	323
α Aquarii	3.2	23 51	294

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Ceti	4.0	0 49	62
γ Ceti	3.7	1 1	55
α Ceti	2.8	1 23	53
ο Tauri	3.8	2 5	39
π ³ Orionis	3.3	3 22	45
δ Orionis	2.5	3 41	63
ε Orionis	1.7	3 44	65
γ Orionis	1.7	3 55	46
α Orionis	1.2	4 30	43
ξ <i>Geminorum</i>	3.4	5 57	22
α Canis Minoris	0.5	6 6	49
β Canis Minoris	3.1	6 8	40
β Cancri	3.8	7 1	37
ε Hydræ	3.5	7 18	45
ζ Hydræ	3.3	7 25	47
ο Leonis	3.8	8 32	34
α Leonis	1.3	9 14	25
ρ Leonis	3.9	9 20	36
β Virginis... ..	3.8	10 6	57
η Virginis... ..	4.0	10 30	63
γ Virginis... ..	3.0	10 50	65
δ Virginis... ..	3.7	11 16	53
ζ Virginis... ..	3.4	11 45	63
ε Virginis... ..	3.0	12 0	29
ε Serpentis	3.8	14 15	51
α Serpentis	2.8	14 16	45
λ Ophiuchi	3.9	14 47	57
κ Ophiuchi	3.4	15 44	36
β Ophiuchi	2.9	16 7	51
α <i>Ophiuchi</i>	2.1	16 43	24
72 Ophiuchi	3.7	16 53	36
δ Aquilæ	3.4	17 44	55
θ Aquilæ	3.4	18 19	65
β Aquilæ	3.9	18 25	47
α Aquilæ	0.9	18 32	39
γ Aquilæ	2.8	18 37	33
ε Delphini	4.0	19 28	31
α Aquarii	3.2	20 15	64
γ <i>Aquarii</i>	4.0	20 27	66
ε Pegasi	2.5	20 30	36
ζ Pegasi	3.6	21 32	33
γ Piscium... ..	3.9	21 35	56
ω Piscium... ..	4.0	22 30	46

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani	3.0	1 43	152
υ ⁴ Eridani	3.6	2 32	134
α Columbæ	2.7	3 54	134
β Columbæ	3.2	4 11	138
ζ Canis Majoris	3.1	4 24	125
ε Canis Majoris	1.6	4 59	122
22 Canis Majoris	3.7	5 1	120
δ Canis Majoris	2.0	5 5	117
η Canis Majoris	2.4	5 26	123
π Argus	2.7	5 42	141
ζ Argus	2.3	6 44	149
α Mali	3.7	6 54	131
ψ Argus	3.6	8 12	150
ξ Hydræ	3.7	9 39	128
β Corvi	2.8	10 28	110
ι Centauri	2.9	11 41	139
π Hydræ	3.5	12 2	117
θ Centauri	2.3	12 26	139
γ <i>Scorpii</i>	3.4	12 58	114
η <i>Centauri</i>	2.7	13 27	156
κ <i>Centauri</i>	3.4	13 51	156
π <i>Scorpii</i>	3.0	13 54	116
σ <i>Scorpii</i>	3.1	14 15	115
113 G <i>Lupi</i>	3.0	14 20	153
α <i>Scorpii</i>	1.2	14 24	117
τ <i>Scorpii</i>	2.9	14 34	120
ε <i>Scorpii</i>	2.4	15 3	134
θ <i>Ophiuchi</i>	3.4	15 16	114
υ <i>Scorpii</i>	2.8	15 54	142
λ <i>Scorpii</i>	1.7	15 56	141
γ <i>Sagittarii</i>	3.1	16 9	126
κ <i>Scorpii</i>	2.5	16 15	147
δ <i>Sagittarii</i>	2.8	16 23	125
λ <i>Sagittarii</i>	2.9	16 23	115
ι ¹ <i>Scorpii</i>	3.1	16 26	150
ε <i>Sagittarii</i>	2.0	16 37	135
η <i>Sagittarii</i>	3.2	16 39	141
φ <i>Sagittarii</i>	3.3	16 43	119
σ <i>Sagittarii</i>	2.1	16 51	117
ζ <i>Sagittarii</i>	2.7	17 4	125
τ <i>Sagittarii</i>	3.4	17 5	120
ζ <i>Capricorni</i>	3.9	19 20	110
γ <i>Gruis</i>	3.2	20 20	143
α <i>Piscis Australis</i>	1.3	21 0	125
β <i>Ceti</i>	2.2	22 34	101

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 46	235
β Ceti ...	2.2	2 44	259
θ Eridani ...	3.0	4 7	208
υ ⁴ Eridani ...	3.6	5 58	226
α Columbæ ...	2.7	7 20	226
β Columbæ ...	3.2	7 25	222
ζ Canis Majoris	3.1	8 10	235
π Argus ...	2.7	8 46	219
ε Canis Majoris	1.6	8 51	238
22 Canis Majoris	3.7	8 55	240
δ Canis Majoris	2.0	9 5	243
η Canis Majoris	2.4	9 16	237
ζ Argus ...	2.3	9 18	211
α Mali ...	3.7	10 26	229
ψ Argus ...	3.6	10 44	210
ξ Hydræ ...	3.7	13 19	232
β Corvi ...	2.8	14 32	250
ι Centauri ...	2.9	14 51	221
η Centauri ...	2.7	15 33	204
θ Centauri ...	2.3	15 38	221
κ Centauri ...	3.4	15 57	204
π Hydræ ...	3.5	16 2	243
113 G Lupi ...	3.0	16 40	207
γ Scorpii ...	3.4	17 0	246
π Scorpii ...	3.0	17 54	244
σ Scorpii ...	3.1	18 17	245
α Scorpii ...	1.2	18 24	243
ε Scorpii ...	2.4	18 27	226
τ Scorpii ...	2.9	18 28	240
υ Scorpii ...	2.8	18 56	218
ι ¹ Scorpii ...	3.1	18 58	210
κ Scorpii ...	2.5	18 59	213
λ Scorpii ...	1.7	19 0	219
θ Ophiuchi ...	3.4	19 18	246
η Sagittarii ...	3.2	19 45	219
γ Sagittarii ...	3.1	19 53	234
ε Sagittarii ...	2.0	20 1	225
δ Sagittarii ...	2.8	20 9	235
λ Sagittarii ...	2.9	20 23	245
φ Sagittarii ...	3.3	20 39	241
σ Sagittarii ...	2.1	20 49	243
ζ Sagittarii ...	2.7	20 50	235
τ Sagittarii ...	3.4	20 59	240
γ Gruis ...	3.2	23 18	217
ζ Capricorni ...	3.9	23 24	250

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Aquarii ...	4.0	0 7	294
γ Piscium ...	3.9	0 51	304
ω Piscium ...	4.0	1 20	314
γ Ceti ...	3.7	4 17	305
δ Ceti ...	4.0	4 21	298
α Ceti ...	2.8	4 33	307
ο Tauri ...	3.8	4 35	321
π ³ Orionis ...	3.3	6 8	315
γ Orionis ...	1.7	6 47	314
α Orionis ...	1.2	7 12	317
δ Orionis ...	2.5	7 15	297
ε Orionis ...	1.7	7 20	295
ξ Geminorum ...	3.4	7 25	338
β Canis Minoris	3.1	8 38	320
α Canis Minoris	0.5	9 4	311
β Cancrī ...	3.8	9 23	323
ε Hydræ ...	3.5	10 6	315
ζ Hydræ ...	3.3	10 17	313
ο Leonis ...	3.8	10 42	326
α Leonis ...	1.3	10 54	335
ρ Leonis ...	3.9	11 38	324
β Virginis ...	3.8	13 26	303
ε Virginis ...	3.0	13 56	331
η Virginis ...	4.0	14 2	297
γ Virginis ...	3.0	14 26	295
δ Virginis ...	3.7	14 26	307
ζ Virginis ...	3.4	15 17	297
α Serpentis ...	2.8	17 4	315
ε Serpentis ...	3.8	17 19	309
κ Ophiuchi ...	3.4	18 4	324
λ Ophiuchi ...	3.9	18 7	303
α Ophiuchi ...	2.1	18 19	336
β Ophiuchi ...	2.9	19 11	309
72 Ophiuchi ...	3.7	19 13	324
γ Aquilæ ...	2.8	20 47	327
δ Aquilæ ...	3.4	20 58	305
α Aquilæ ...	0.9	21 2	321
β Aquilæ ...	3.9	21 17	313
ε Delphini ...	4.0	21 30	329
θ Aquilæ ...	3.4	21 55	295
ε Pegasi ...	2.5	22 50	324
ζ Pegasi ...	3.6	23 42	327
α Aquarii ...	3.2	23 49	296

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Ceti	4.0	0 52	60
γ Ceti	3.7	1 4	53
α Ceti	2.8	1 26	51
ο Tauri	3.8	2 11	36
π ³ Orionis	3.3	3 26	42
η Orionis	3.4	3 30	66
δ Orionis	2.5	3 44	61
ε Orionis	1.7	3 46	63
ζ Orionis	2.0	3 49	65
γ Orionis	1.7	3 59	44
α Orionis	1.2	4 35	40
α Canis Minoris	0.5	6 10	46
β Canis Minoris	3.1	6 13	36
β Cancri	3.8	7 7	33
ε Hydræ	3.5	7 22	42
ζ Hydræ	3.3	7 29	44
ο Leonis	3.8	8 39	30
ρ Leonis	3.9	9 26	32
β Virginis... ..	3.8	10 9	55
η Virginis... ..	4.0	10 32	61
γ Virginis... ..	3.0	10 52	63
δ Virginis... ..	3.7	11 19	51
ζ Virginis... ..	3.4	11 47	61
ε Virginis... ..	3.0	12 8	25
ε Serpentis	3.8	14 19	48
α Serpentis	2.8	14 20	42
λ Ophiuchi	3.9	14 50	55
κ Ophiuchi	3.4	15 50	33
β Ophiuchi	2.9	16 10	48
72 Ophiuchi	3.7	16 59	33
δ Aquilæ	3.4	17 47	53
θ Aquilæ	3.4	18 21	63
β Aquilæ	3.9	18 29	44
α Aquilæ	0.9	18 37	36
γ Aquilæ	2.8	18 44	29
ε Delphini	4.0	19 35	27
α Aquarii	3.2	20 17	62
γ Aquarii	4.0	20 29	64
ε Pegasi	2.5	20 36	33
γ Piscium... ..	3.9	21 38	53
ζ Pegasi	3.6	21 39	29
ω Piscium... ..	4.0	22 34	43

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani	3.0	1 36	149
υ ⁴ Eridani	3.6	2 28	132
α Horologii	3.8	3 4	155
α Columbæ	2.7	3 50	132
β Columbæ	3.2	4 7	136
ζ Canis Majoris	3.1	4 21	123
ε Canis Majoris	1.6	4 57	120
22 Canis Majoris	3.7	4 58	118
δ Canis Majoris	2.0	5 3	115
η Canis Majoris	2.4	5 23	121
π Argus	2.7	5 37	139
ζ Argus	2.3	6 37	146
α Mali	3.7	6 50	129
ψ Argus	3.6	8 5	147
ξ Hydræ	3.7	9 36	126
β Corvi	2.8	10 27	108
ι Centauri	2.9	11 36	137
π Hydræ	3.5	12 0	115
θ Centauri	2.3	12 22	136
μ Centauri	3.3	12 36	154
η Centauri	2.7	13 18	153
κ Centauri	3.4	13 42	153
β Lupi	2.8	13 49	156
π Scorpii	3.0	13 52	114
113 G Lupi... ..	3.0	14 12	150
α Scorpii	1.2	14 22	115
τ Scorpii	2.9	14 32	119
ε Scorpii	2.4	14 59	132
υ Scorpii	2.8	15 49	139
λ Scorpii	1.7	15 51	139
γ Sagittarii	3.1	16 6	124
κ Scorpii	2.5	16 9	144
ι ¹ Scorpii	3.1	16 19	147
δ Sagittarii	2.8	16 20	123
ε Sagittarii	2.0	16 33	133
η Sagittarii	3.2	16 34	138
φ Sagittarii	3.3	16 40	117
σ Sagittarii	2.1	16 49	115
ζ Sagittarii	2.7	17 1	123
τ Sagittarii	3.4	17 2	118
ζ Capricorni	3.9	19 19	108
γ Gruis	3.2	20 15	141
α Piscis Australis	1.3	20 57	123
α Phœnicis	2.4	23 18	156

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 49	237
α <i>Phœnicis</i> ...	2.4	1 26	204
θ Eridani ...	3.0	4 14	211
α Horologii ...	3.8	5 18	205
ν^4 Eridani ...	3.6	6 2	228
α Columbæ ...	2.7	7 24	228
β Columbæ ...	3.2	7 29	224
ζ Canis Majoris	3.1	8 13	237
π Argus ...	2.7	8 51	221
ϵ Canis Majoris	1.6	8 53	240
22 Canis Majoris	3.7	8 58	242
δ Canis Majoris	2.0	9 7	245
η Canis Majoris	2.4	9 19	239
ζ Argus ...	2.3	9 25	214
α Mali ...	3.7	10 30	231
ψ Argus ...	3.6	10 51	213
ξ Hydræ ...	3.7	13 22	234
β <i>Corvi</i> ...	2.8	14 33	252
μ Centauri ...	3.3	14 54	206
ι Centauri ...	2.9	14 56	223
θ Centauri ...	2.3	15 42	224
η Centauri ...	2.7	15 42	207
β <i>Lupi</i> ...	2.8	15 57	204
π Hydræ ...	3.5	16 4	245
κ Centauri ...	3.4	16 6	207
113 G <i>Lupi</i> ...	3.0	16 48	210
π <i>Scorpii</i> ...	3.0	17 56	246
α <i>Scorpii</i> ...	1.2	18 26	245
τ <i>Scorpii</i> ...	2.9	18 30	241
ϵ <i>Scorpii</i> ...	2.4	18 31	228
ν <i>Scorpii</i> ...	2.8	19 1	221
λ <i>Scorpii</i> ...	1.7	19 5	221
κ <i>Scorpii</i> ...	2.5	19 5	216
ι^1 <i>Scorpii</i> ...	3.1	19 5	213
η <i>Sagittarii</i> ...	3.2	19 50	222
γ <i>Sagittarii</i> ...	3.1	19 56	236
ϵ <i>Sagittarii</i> ...	2.0	20 5	227
δ <i>Sagittarii</i> ...	2.8	20 12	237
ϕ <i>Sagittarii</i> ...	3.3	20 42	243
σ <i>Sagittarii</i> ...	2.1	20 51	245
ζ <i>Sagittarii</i> ...	2.7	20 53	237
τ <i>Sagittarii</i> ...	3.4	21 2	242
γ <i>Gruis</i> ...	3.2	23 23	219
ζ <i>Capricorni</i> ...	3.9	23 25	252

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ <i>Aquarii</i> ...	4.0	0 5	296
γ <i>Piscium</i> ...	3.9	0 48	307
ω <i>Piscium</i> ...	4.0	1 16	317
γ <i>Ceti</i> ...	3.7	4 14	307
δ <i>Ceti</i> ...	4.0	4 18	300
\circ <i>Tauri</i> ...	3.8	4 29	324
α <i>Ceti</i> ...	2.8	4 30	309
π^3 <i>Orionis</i> ...	3.3	6 4	318
γ <i>Orionis</i> ...	1.7	6 43	316
α <i>Orionis</i> ...	1.2	7 7	320
η <i>Orionis</i> ...	3.4	7 10	294
δ <i>Orionis</i> ...	2.5	7 12	299
ϵ <i>Orionis</i> ...	1.7	7 18	297
ζ <i>Orionis</i> ...	2.0	7 25	295
β <i>Canis Minoris</i>	3.1	8 33	324
α <i>Canis Minoris</i>	0.5	9 0	314
β <i>Cancræ</i> ...	3.8	9 17	327
ϵ <i>Hydræ</i> ...	3.5	10 2	318
ζ <i>Hydræ</i> ...	3.3	10 13	316
\circ <i>Leonis</i> ...	3.8	10 35	330
ρ <i>Leonis</i> ...	3.9	11 32	328
β <i>Virginis</i> ...	3.8	13 23	305
ϵ <i>Virginis</i> ...	3.0	13 48	335
η <i>Virginis</i> ...	4.0	14 0	299
δ <i>Virginis</i> ...	3.7	14 23	309
γ <i>Virginis</i> ...	3.0	14 24	297
ζ <i>Virginis</i> ...	3.4	15 15	299
α <i>Serpentis</i> ...	2.8	17 0	318
ϵ <i>Serpentis</i> ...	3.8	17 15	312
κ <i>Ophiuchi</i> ...	3.4	17 58	327
λ <i>Ophiuchi</i> ...	3.9	18 4	305
72 <i>Ophiuchi</i> ...	3.7	19 7	327
β <i>Ophiuchi</i> ...	2.9	19 8	312
γ <i>Aquilæ</i> ...	2.8	20 40	331
δ <i>Aquilæ</i> ...	3.4	20 55	307
α <i>Aquilæ</i> ...	0.9	20 57	324
β <i>Aquilæ</i> ...	3.9	21 13	316
ϵ <i>Delphini</i> ...	4.0	21 23	333
θ <i>Aquilæ</i> ...	3.4	21 53	297
ϵ <i>Pegasi</i> ...	2.5	22 44	327
ζ <i>Pegasi</i> ...	3.6	23 35	331
α <i>Aquarii</i> ...	3.2	23 47	298

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Ceti	4.0	0 54	58
γ Ceti	3.7	1 7	51
α Ceti	2.8	1 30	48
ο Tauri	3.8	2 18	32
π ³ Orionis	3.3	3 31	39
η Orionis	3.4	3 32	64
δ Orionis	2.5	3 46	59
ε Orionis	1.7	3 48	61
ζ Orionis	2.0	3 51	63
γ Orionis	1.7	4 4	41
α Orionis	1.2	4 40	37
α Canis Minoris	0.5	6 14	43
β Canis Minoris	3.1	6 19	33
β Cancri	3.8	7 14	29
ε Hydræ	3.5	7 27	39
ζ Hydræ	3.3	7 34	41
ο Leonis	3.8	8 46	26
ρ Leonis	3.9	9 34	28
β Virginis... ..	3.8	10 12	52
η Virginis... ..	4.0	10 35	58
γ Virginis... ..	3.0	10 54	60
δ Virginis... ..	3.7	11 23	48
ζ Virginis... ..	3.4	11 50	58
μ <i>Serpentis</i>	3.6	13 56	66
δ <i>Ophiuchi</i>	3.0	14 20	66
ε <i>Serpentis</i>	3.8	14 23	46
α <i>Serpentis</i>	2.8	14 25	39
λ <i>Ophiuchi</i>	3.9	14 53	52
κ <i>Ophiuchi</i>	3.4	15 57	29
β <i>Ophiuchi</i>	2.9	16 14	46
η <i>Serpentis</i>	3.4	16 29	65
72 <i>Ophiuchi</i>	3.7	17 6	29
δ <i>Aquilæ</i>	3.4	17 50	50
θ <i>Aquilæ</i>	3.4	18 23	61
β <i>Aquilæ</i>	3.9	18 34	41
α <i>Aquilæ</i>	0.9	18 43	33
γ <i>Aquilæ</i>	2.8	18 52	25
ε <i>Delphini</i>	4.0	19 43	22
α <i>Aquarii</i>	3.2	20 19	60
γ <i>Aquarii</i>	4.0	20 31	62
ε <i>Pegasi</i>	2.5	20 43	29
γ <i>Piscium</i>	3.9	21 41	51
ζ <i>Pegasi</i>	3.6	21 47	25
ω <i>Piscium</i>	4.0	22 39	40

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ <i>Phœnicis</i>	3.4	0 21	157
θ <i>Eridani</i>	3.0	1 29	146
υ ⁴ <i>Eridani</i>	3.6	2 24	130
α <i>Horologii</i>	3.8	2 56	152
α <i>Columbæ</i>	2.7	3 46	130
β <i>Columbæ</i>	3.2	4 2	134
ζ <i>Canis Majoris</i>	3.1	4 18	121
ε <i>Canis Majoris</i>	1.6	4 54	119
22 <i>Canis Majoris</i>	3.7	4 56	116
η <i>Canis Majoris</i>	2.4	5 21	119
ν <i>Argus</i>	3.2	5 25	154
π <i>Argus</i>	2.7	5 33	137
σ <i>Argus</i>	3.3	6 17	154
ζ <i>Argus</i>	2.3	6 31	144
α <i>Mali</i>	3.7	6 47	127
λ <i>Argus</i>	2.2	7 55	154
ψ <i>Argus</i>	3.6	7 59	145
ξ <i>Hydræ</i>	3.7	9 33	124
β <i>Corvi</i>	2.8	10 25	107
ι <i>Centauri</i>	2.9	11 32	135
θ <i>Centauri</i>	2.3	12 17	134
μ <i>Centauri</i>	3.3	12 28	151
η <i>Centauri</i>	2.7	13 11	150
κ <i>Centauri</i>	3.4	13 35	150
β <i>Lupi</i>	2.8	13 41	153
113 G <i>Lupi</i>	3.0	14 6	147
τ <i>Scorpii</i>	2.9	14 29	117
ε <i>Scorpii</i>	2.4	14 55	130
υ <i>Scorpii</i>	2.8	15 44	137
λ <i>Scorpii</i>	1.7	15 47	137
κ <i>Scorpii</i>	2.5	16 3	142
γ <i>Sagittarii</i>	3.1	16 3	122
ι ¹ <i>Scorpii</i>	3.1	16 13	145
δ <i>Sagittarii</i>	2.8	16 17	121
θ <i>Scorpii</i>	2.0	16 21	154
ε <i>Sagittarii</i>	2.0	16 29	131
η <i>Sagittarii</i>	3.2	16 30	136
φ <i>Sagittarii</i>	3.3	16 38	115
ζ <i>Sagittarii</i>	2.7	16 58	121
τ <i>Sagittarii</i>	3.4	17 0	116
ζ <i>Capricorni</i>	3.9	19 17	107
γ <i>Gruis</i>	3.2	20 10	139
α <i>Piscis Australis</i>	1.3	20 55	121
α <i>Phœnicis</i>	2.4	23 10	153

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 51	239
α Phœnicis ...	2.4	1 34	207
γ <i>Phœnicis</i> ...	3.4	2 29	203
θ Eridani ...	3.0	4 21	214
α Horologii ...	3.8	5 26	208
ν^4 Eridani ...	3.6	6 6	230
α Columbæ ...	2.7	7 28	230
β Columbæ ...	3.2	7 34	226
ν Argus ...	3.2	7 45	206
ζ Canis Majoris	3.1	8 16	239
σ Argus ...	3.3	8 37	206
π Argus ...	2.7	8 55	223
ϵ Canis Majoris	1.6	8 56	241
22 Canis Majoris	3.7	9 0	244
η Canis Majoris	2.4	9 21	241
ζ Argus ...	2.3	9 31	216
λ Argus ...	2.2	10 15	206
α Mali ...	3.7	10 33	233
ψ Argus ...	3.6	10 57	215
ξ Hydræ ...	3.7	13 25	236
β <i>Corvi</i> ...	2.8	14 35	253
ι Centauri ...	2.9	15 0	225
μ Centauri ...	3.3	15 2	209
θ Centauri ...	2.3	15 47	226
η Centauri ...	2.7	15 49	210
β Lupi ...	2.8	16 5	207
κ Centauri ...	3.4	16 13	210
113 G Lupi ...	3.0	16 54	213
τ Scorpii ...	2.9	18 33	243
ϵ Scorpii ...	2.4	18 35	230
θ Scorpii ...	2.0	18 41	206
ν Scorpii ...	2.8	19 6	223
λ Scorpii ...	1.7	19 9	223
κ Scorpii ...	2.5	19 11	218
ι^1 Scorpii ...	3.1	19 11	215
η Sagittarii ...	3.2	19 54	224
γ Sagittarii ...	3.1	19 59	238
ϵ Sagittarii ...	2.0	20 9	229
δ Sagittarii ...	2.8	20 15	239
ϕ Sagittarii ...	3.3	20 44	245
ζ Sagittarii ...	2.7	20 56	239
τ Sagittarii ...	3.4	21 4	244
ζ <i>Capricorni</i> ...	3.9	23 27	253
γ Gruis ...	3.2	23 28	221

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Aquarii ...	4.0	0 3	298
γ Piscium ...	3.9	0 45	309
ω Piscium ...	4.0	1 11	320
γ Ceti ...	3.7	4 11	309
δ Ceti ...	4.0	4 16	302
δ Tauri ...	3.8	4 22	328
α Ceti ...	2.8	4 26	312
π^3 Orionis ...	3.3	5 59	321
γ Orionis ...	1.7	6 38	319
α Orionis ...	1.2	7 2	323
η Orionis ...	3.4	7 8	296
δ Orionis ...	2.5	7 10	301
ϵ Orionis ...	1.7	7 16	299
ζ Orionis ...	2.0	7 23	297
β Canis Minoris	3.1	8 27	327
α Canis Minoris	0.5	8 56	317
β Cancri ...	3.8	9 10	331
ϵ Hydræ ...	3.5	9 57	321
ζ Hydræ ...	3.3	10 8	319
α Leonis ...	3.8	10 28	334
ρ Leonis ...	3.9	11 24	332
β Virginis ...	3.8	13 20	308
η Virginis ...	4.0	13 57	302
δ Virginis ...	3.7	14 19	312
γ Virginis ...	3.0	14 22	300
ζ Virginis ...	3.4	15 12	302
α Serpentis ...	2.8	16 55	321
ϵ Serpentis ...	3.8	17 11	314
μ <i>Serpentis</i> ...	3.6	17 34	294
κ Ophiuchi ...	3.4	17 51	331
δ <i>Ophiuchi</i> ...	3.0	18 0	294
λ Ophiuchi ...	3.9	18 1	308
72 Ophiuchi ...	3.7	19 0	331
β Ophiuchi ...	2.9	19 4	314
γ Serpentis ...	3.4	20 5	295
γ Aquilæ ...	2.8	20 32	335
α Aquilæ ...	0.9	20 51	327
δ Aquilæ ...	3.4	20 52	310
β Aquilæ ...	3.9	21 8	319
ϵ <i>Delphini</i> ...	4.0	21 15	338
θ Aquilæ ...	3.4	21 51	299
ϵ Pegasi ...	2.5	22 37	331
ζ Pegasi ...	3.6	23 27	335
α Aquarii ...	3.2	23 45	300

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Ceti ...	4.0	0 57	56
γ Ceti ...	3.7	1 11	48
α Ceti ...	2.8	1 34	45
ο Tauri ...	3.8	2 25	28
η Orionis ...	3.4	3 35	62
π ³ Orionis ...	3.3	3 37	36
δ Orionis ...	2.5	3 49	57
ε Orionis ...	1.7	3 51	59
ζ Orionis ...	2.0	3 53	61
γ Orionis ...	1.7	4 10	37
α Orionis ...	1.2	4 46	33
α Canis Minoris	0.5	6 19	40
β Canis Minoris	3.1	6 26	29
30 Monocerotis ...	4.0	6 34	65
β Cancrī ...	3.8	7 22	25
ε Hydræ ...	3.5	7 33	36
ζ Hydræ ...	3.3	7 39	38
ρ Leonis ...	3.9	9 42	24
β Virginis ...	3.8	10 15	50
η Virginis ...	4.0	10 38	56
γ Virginis ...	3.0	10 57	58
δ Virginis ...	3.7	11 27	45
ζ Virginis ...	3.4	11 53	56
μ Serpentis ...	3.6	13 58	64
δ Ophiuchi ...	3.0	14 22	64
ε Serpentis ...	3.8	14 27	43
α Serpentis ...	2.8	14 31	36
λ Ophiuchi ...	3.9	14 56	50
κ Ophiuchi ...	3.4	16 5	25
β Ophiuchi ...	2.9	16 19	43
η Serpentis ...	3.4	16 31	63
72 Ophiuchi ...	3.7	17 14	25
δ Aquilæ ...	3.4	17 54	48
θ Aquilæ ...	3.4	18 26	58
β Aquilæ ...	3.9	18 39	38
α Aquilæ ...	0.9	18 51	29
α Aquarii ...	3.2	20 22	57
γ Aquarii ...	4.0	20 34	60
ε Pegasi ...	2.5	20 51	25
γ Piscium ...	3.9	21 45	48
ω Piscium ...	4.0	22 44	37

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Phœnicis ...	3.4	0 12	153
θ Eridani ...	3.0	1 23	144
υ ⁴ Eridani ...	3.6	2 21	128
α Horologii ...	3.8	2 49	149
α Columbæ ...	2.7	3 43	128
β Columbæ ...	3.2	3 58	132
ζ Canis Majoris	3.1	4 16	119
ε Canis Majoris	1.6	4 52	117
22 Canis Majoris	3.7	4 54	115
ν Argus ...	3.2	5 17	151
η Canis Majoris	2.4	5 18	117
π Argus ...	2.7	5 28	134
σ Argus ...	3.3	6 9	151
ζ Argus ...	2.3	6 25	141
α Mali ...	3.7	6 44	126
λ Argus ...	2.2	7 47	151
ψ Argus ...	3.6	7 54	142
ξ Hydræ ...	3.7	9 30	122
β Corvi ...	2.8	10 24	105
ι Centauri ...	2.9	11 28	133
θ Centauri ...	2.3	12 13	132
μ Centauri ...	3.3	12 21	148
η Centauri ...	2.7	13 4	147
κ Centauri ...	3.4	13 28	147
β Lupi ...	2.8	13 33	150
113 G Lupi ...	3.0	14 0	144
τ Scorpīi ...	2.9	14 27	115
ε Scorpīi ...	2.4	14 52	128
υ Scorpīi ...	2.8	15 39	135
λ Scorpīi ...	1.7	15 42	134
κ Scorpīi ...	2.5	15 58	139
γ Sagittarii ...	3.1	16 0	120
ι ¹ Scorpīi ...	3.1	16 8	142
θ Scorpīi ...	2.0	16 13	151
δ Sagittarii ...	2.8	16 14	119
η Sagittarii ...	3.2	16 25	134
ε Sagittarii ...	2.0	16 26	129
ζ Sagittarii ...	2.7	16 56	119
τ Sagittarii ...	3.4	16 58	115
ζ Capricorni ...	3.9	19 16	105
γ Gruis ...	3.2	20 6	136
α Piscis Australis	1.3	20 52	119
α Phœnicis ...	2.4	23 2	150

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 54	241
α Phœnicis ...	2.4	1 42	210
γ Phœnicis ...	3.4	2 38	207
θ Eridani ...	3.0	4 27	216
α Horologii ...	3.8	5 33	211
ν^4 Eridani ...	3.6	6 9	232
α Columbæ ...	2.7	7 31	232
β Columbæ ...	3.2	7 38	228
ν Argus ...	3.2	7 53	209
ζ Canis Majoris	3.1	8 18	241
σ Argus ...	3.3	8 45	209
ϵ Canis Majoris	1.6	8 58	243
π Argus ...	2.7	9 0	226
22 Canis Majoris	3.7	9 2	245
η Canis Majoris	2.4	9 24	243
ζ Argus ...	2.3	9 37	219
λ Argus ...	2.2	10 23	209
α Mali ...	3.7	10 36	234
ψ Argus ...	3.6	11 2	218
ξ Hydræ ...	3.7	13 28	238
β Corvi ...	2.8	14 36	255
ι Centauri ...	2.9	15 4	227
μ Centauri ...	3.3	15 9	212
θ Centauri ...	2.3	15 51	228
η Centauri ...	2.7	15 56	213
β Lupi ...	2.8	16 13	210
κ Centauri ...	3.4	16 20	213
113 G Lupi ...	3.0	17 0	216
τ Scorpii ...	2.9	18 35	245
ϵ Scorpii ...	2.4	18 38	232
θ Scorpii ...	2.0	18 49	209
ν Scorpii ...	2.8	19 11	225
λ Scorpii ...	1.7	19 14	226
κ Scorpii ...	2.5	19 16	221
ι^1 Scorpii ...	3.1	19 16	218
η Sagittarii ...	3.2	19 59	226
γ Sagittarii ...	3.1	20 2	240
ϵ Sagittarii ...	2.0	20 12	231
δ Sagittarii ...	2.8	20 18	241
ζ Sagittarii ...	2.7	20 58	241
τ Sagittarii ...	3.4	21 6	245
ζ Capricorni ...	3.9	23 28	255
γ Gruis ...	3.2	23 32	224

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Aquarii ...	4.0	0 0	300
γ Piscium ...	3.9	0 41	312
ω Piscium ...	4.0	1 6	323
γ Ceti ...	3.7	4 7	312
δ Ceti ...	4.0	4 13	304
α Tauri ...	3.8	4 15	332
α Ceti ...	2.8	4 22	315
π^3 Orionis ...	3.3	5 53	324
γ Orionis ...	1.7	6 32	323
α Orionis ...	1.2	6 56	327
η Orionis ...	3.4	7 5	298
δ Orionis ...	2.5	7 7	303
ϵ Orionis ...	1.7	7 13	301
ζ Orionis ...	2.0	7 21	299
β Canis Minoris	3.1	8 20	331
α Canis Minoris	0.5	8 51	320
β Cancræ ...	3.8	9 2	335
ϵ Hydræ ...	3.5	9 51	324
ζ Hydræ ...	3.3	10 3	322
30 Monocerotis ...	4.0	10 10	295
ρ Leonis ...	3.9	11 16	336
β Virginis ...	3.8	13 17	310
η Virginis ...	4.0	13 54	304
δ Virginis ...	3.7	14 15	315
γ Virginis ...	3.0	14 19	302
ζ Virginis ...	3.4	15 9	304
α Serpentis ...	2.8	16 49	324
ϵ Serpentis ...	3.8	17 7	317
μ Serpentis ...	3.6	17 32	296
κ Ophiuchi ...	3.4	17 43	335
λ Ophiuchi ...	3.9	17 58	310
δ Ophiuchi ...	3.0	17 58	296
72 Ophiuchi ...	3.7	18 52	335
β Ophiuchi ...	2.9	18 59	317
η Serpentis ...	3.4	20 3	297
α Aquilæ ...	0.9	20 43	331
δ Aquilæ ...	3.4	20 48	312
β Aquilæ ...	3.9	21 3	322
θ Aquilæ ...	3.4	21 48	302
ϵ Pegasi ...	2.5	22 29	335
α Aquarii ...	3.2	23 42	303

NE. QUADRANT

Star.	Magn.	L. S. T.	Az.
		h. m.	°
δ Ceti ...	4.0	1 0	53
γ Ceti ...	3.7	1 15	45
α Ceti ...	2.8	1 38	42
ο <i>Tauri</i> ...	3.8	2 33	24
β <i>Eridani</i> ...	2.9	3 14	66
η Orionis ...	3.4	3 37	60
π ³ Orionis ...	3.3	3 43	32
δ Orionis ...	2.5	3 52	54
ε Orionis ...	1.7	3 53	56
ζ Orionis ...	2.0	3 56	58
γ Orionis ...	1.7	4 16	34
α Orionis ...	1.2	4 53	30
α Canis Minoris	0.5	6 24	37
β Canis Minoris	3.1	6 34	25
30 Monocerotis ...	4.0	6 36	62
ε Hydræ ...	3.5	7 39	32
ζ Hydræ ...	3.3	7 45	34
β Virginis...	3.8	10 19	47
η Virginis...	4.0	10 41	54
γ Virginis...	3.0	11 0	56
δ Virginis...	3.7	11 31	42
ζ Virginis...	3.4	11 56	54
μ Serpentis ...	3.6	14 0	62
δ Ophiuchi ...	3.0	14 24	62
ε Ophiuchi ...	3.3	14 26	65
ε Serpentis ...	3.8	14 32	40
α Serpentis ...	2.8	14 37	32
λ Ophiuchi ...	3.9	15 0	47
β Ophiuchi ...	2.9	16 24	40
η Serpentis ...	3.4	16 33	61
λ <i>Aquilæ</i> ...	3.6	17 12	66
δ <i>Aquilæ</i> ...	3.4	17 58	45
θ <i>Aquilæ</i> ...	3.4	18 29	56
β <i>Aquilæ</i> ...	3.9	18 45	34
α <i>Aquilæ</i> ...	0.9	18 59	24
α <i>Aquarii</i> ...	3.2	20 25	55
γ <i>Aquarii</i> ...	4.0	20 37	58
γ <i>Piscium</i> ...	3.9	21 49	46
ω <i>Piscium</i> ...	4.0	22 50	34

SE. QUADRANT

Star.	Magn.	L. S. T.	Az.
		h. m.	°
γ <i>Phœnicis</i> ...	3.4	0 4	150
θ <i>Eridani</i> ...	3.0	1 18	141
υ ⁴ <i>Eridani</i> ...	3.6	2 18	126
α <i>Horologii</i> ...	3.8	2 43	146
α <i>Columbæ</i> ...	2.7	3 40	126
β <i>Columbæ</i> ...	3.2	3 55	130
ζ <i>Canis Majoris</i>	3.1	4 14	118
ε <i>Canis Majoris</i>	1.6	4 51	115
ν <i>Argus</i> ...	3.2	5 10	148
η <i>Canis Majoris</i>	2.4	5 16	116
π <i>Argus</i> ...	2.7	5 24	132
σ <i>Argus</i> ...	3.3	6 2	148
ζ <i>Argus</i> ...	2.3	6 20	139
α <i>Mali</i> ...	3.7	6 41	124
λ <i>Argus</i> ...	2.2	7 40	148
ψ <i>Argus</i> ...	3.6	7 49	140
ξ <i>Hydræ</i> ...	3.7	9 28	121
β <i>Corvi</i> ...	2.8	10 22	103
ι <i>Centauri</i> ...	2.9	11 24	131
θ <i>Centauri</i> ...	2.3	12 9	130
μ <i>Centauri</i> ...	3.3	12 15	145
η <i>Centauri</i> ...	2.7	12 58	144
κ <i>Centauri</i> ...	3.4	13 22	144
β <i>Lupi</i> ...	2.8	13 26	147
113 G <i>Lupi</i> ...	3.0	13 54	142
τ <i>Scorpii</i> ...	2.9	14 26	113
ε <i>Scorpii</i> ...	2.4	14 48	126
υ <i>Scorpii</i> ...	2.8	15 35	133
λ <i>Scorpii</i> ...	1.7	15 38	132
κ <i>Scorpii</i> ...	2.5	15 53	137
γ <i>Sagittarii</i> ...	3.1	15 58	118
ι ¹ <i>Scorpii</i> ...	3.1	16 3	140
θ <i>Scorpii</i> ...	2.0	16 6	148
δ <i>Sagittarii</i> ...	2.8	16 12	117
η <i>Sagittarii</i> ...	3.2	16 21	132
ε <i>Sagittarii</i> ...	2.0	16 23	127
ζ <i>Sagittarii</i> ...	2.7	16 54	118
ζ <i>Capricorni</i> ...	3.9	19 14	103
γ <i>Gruis</i> ...	3.2	20 1	134
α <i>Piscis Australis</i>	1.3	20 50	118
α <i>Phœnicis</i> ...	2.4	22 55	147

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 56	242
α Phœnicis ...	2.4	1 49	213
γ Phœnicis ...	3.4	2 46	210
θ Eridani ...	3.0	4 32	219
α Horologii ...	3.8	5 39	214
ν^4 Eridani ...	3.6	6 12	234
α Columbæ ...	2.7	7 34	234
β Columbæ ...	3.2	7 41	230
ν Argus ...	3.2	8 0	212
ζ Canis Majoris	3.1	8 20	242
σ Argus ...	3.3	8 52	212
ϵ Canis Majoris	1.6	8 59	245
π Argus ...	2.7	9 4	228
η Canis Majoris	2.4	9 26	244
ζ Argus ...	2.3	9 42	221
λ Argus ...	2.2	10 30	212
α Mali ...	3.7	10 39	236
ψ Argus ...	3.6	11 7	220
ξ Hydræ ...	3.7	13 30	239
β Corvi ...	2.8	14 38	257
ι Centauri ...	2.9	15 8	229
μ Centauri ...	3.3	15 15	215
θ Centauri ...	2.3	15 55	230
η Centauri ...	2.7	16 2	216
β Lupi ...	2.8	16 20	213
κ Centauri ...	3.4	16 26	216
ι 13G Lupi ...	3.0	17 6	218
τ Scorpii ...	2.9	18 36	247
ϵ Scorpii ...	2.4	18 42	234
θ Scorpii ...	2.0	18 56	212
ν Scorpii ...	2.8	19 15	227
λ Scorpii ...	1.7	19 18	228
κ Scorpii ...	2.5	19 21	223
ι^1 Scorpii ...	3.1	19 21	220
η Sagittarii ...	3.2	20 3	228
γ Sagittarii ...	3.1	20 4	242
ϵ Sagittarii ...	2.0	20 15	233
δ Sagittarii ...	2.8	20 20	243
ζ Sagittarii ...	2.7	21 0	242
ζ Capricorni ...	3.9	23 30	257
γ Gruis ...	3.2	23 37	226

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Piscium... ..	3.9	0 37	314
ω Piscium... ..	4.0	1 0	326
γ Ceti	3.7	4 3	315
\circ Tauri	3.8	4 7	336
δ Ceti	4.0	4 10	307
α Ceti	2.8	4 18	318
π^3 Orionis	3.3	5 47	328
γ Orionis	1.7	6 26	326
α Orionis	1.2	6 49	330
β Eridani	2.9	6 54	294
η Orionis	3.4	7 3	300
δ Orionis	2.5	7 4	306
ϵ Orionis	1.7	7 11	304
ζ Orionis	2.0	7 18	302
β Canis Minoris	3.1	8 12	335
α Canis Minoris	0.5	8 46	323
ϵ Hydræ	3.5	9 45	328
ζ Hydræ	3.3	9 57	326
σ Monocerotis ...	4.0	10 8	298
β Virginis... ..	3.8	13 13	313
η Virginis... ..	4.0	13 51	306
δ Virginis... ..	3.7	14 11	318
γ Virginis... ..	3.0	14 16	304
ζ Virginis... ..	3.4	15 6	306
α Serpentis	2.8	16 43	328
ϵ Serpentis	3.8	17 2	320
μ Serpentis	3.6	17 30	298
λ Ophiuchi	3.9	17 54	313
δ Ophiuchi	3.0	17 56	298
ϵ Ophiuchi	3.3	18 2	295
β Ophiuchi	2.9	18 54	320
η Serpentis	3.4	20 1	299
α Aquilæ	0.9	20 35	336
δ Aquilæ	3.4	20 44	315
λ Aquilæ	3.6	20 52	294
β Aquilæ	3.9	20 57	326
θ Aquilæ	3.4	21 45	304
α Aquarii	3.2	23 39	305
γ Aquarii	4.0	23 57	302

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Ceti	4.0	1 3	51
γ Ceti	3.7	1 20	42
α Ceti	2.8	1 43	39
β Eridani	2.9	3 16	64
η Orionis	3.4	3 40	57
ι Orionis	2.9	3 41	66
π ³ Orionis	3.3	3 50	28
δ Orionis	2.5	3 55	52
ε Orionis	1.7	3 56	54
ζ Orionis	2.0	3 59	56
γ Orionis	1.7	4 22	30
α Orionis	1.2	5 0	26
α Canis Minoris	0.5	6 30	34
30 Monocerotis ...	4.0	6 38	60
ε Hydræ	3.5	7 46	29
ζ Hydræ	3.3	7 51	31
β Virginis... ..	3.8	10 24	44
η Virginis... ..	4.0	10 44	51
γ Virginis... ..	3.0	11 3	54
δ Virginis... ..	3.7	11 36	39
ζ Virginis... ..	3.4	11 59	51
μ Serpentis	3.6	14 3	59
δ Ophiuchi	3.0	14 27	60
ε Ophiuchi	3.3	14 28	62
ε Serpentis	3.8	14 38	36
α Serpentis	2.8	14 44	29
λ Ophiuchi	3.9	15 5	44
β Ophiuchi	2.9	16 29	37
η Serpentis	3.4	16 36	58
λ Aquilæ	3.6	17 15	64
δ Aquilæ	3.4	18 3	42
θ Aquilæ	3.4	18 32	54
β Aquilæ	3.9	18 52	31
β Aquarii	3.1	19 37	66
α Aquarii	3.2	20 28	53
γ Aquarii	4.0	20 39	56
γ Piscium... ..	3.9	21 54	43
ω Piscium... ..	4.0	22 57	30

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
0 Eridani	3.0	1 13	139
υ ⁴ Eridani	3.6	2 15	124
α Horologii	3.8	2 37	144
α Columbæ	2.7	3 37	124
β Columbæ	3.2	3 52	128
ζ Canis Majoris	3.1	4 12	116
ν Argus	3.2	5 4	145
η Canis Majoris	2.4	5 14	114
π Argus	2.7	5 20	130
σ Argus	3.3	5 56	145
ζ Argus	2.3	6 16	137
α Mali	3.7	6 38	122
λ Argus	2.2	7 34	145
ψ Argus	3.6	7 44	138
ξ Hydræ	3.7	9 25	119
β Corvi	2.8	10 21	101
ι Centauri	2.9	11 21	129
θ Centauri	2.3	12 6	128
μ Centauri	3.3	12 9	143
η Centauri	2.7	12 52	142
κ Centauri	3.4	13 16	142
β Lupi	2.8	13 20	144
113 G Lupi... ..	3.0	13 49	140
ε Scorpæ	2.4	14 45	124
υ Scorpæ	2.8	15 32	131
λ Scorpæ	1.7	15 34	130
κ Scorpæ	2.5	15 49	135
γ Sagittarii	3.1	15 56	116
ι ¹ Scorpæ	3.1	15 58	138
θ Scorpæ	2.0	15 59	145
δ Sagittarii	2.8	16 10	115
η Sagittarii	3.2	16 18	130
ε Sagittarii	2.0	16 20	125
ζ Sagittarii	2.7	16 52	116
α Telescopii	3.8	17 8	154
ζ Capricorni	3.9	19 13	101
γ Gruis	3.2	19 57	132
α Piscis Australis	1.3	20 48	116
α Phœnicis	2.4	22 49	144
γ Phœnicis	3.4	23 57	147

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 58	244
α Phœnicis ...	2.4	1 55	216
γ Phœnicis ...	3.4	2 53	213
θ Eridani ...	3.0	4 37	221
α Horologii ...	3.8	5 45	216
ν^4 Eridani ...	3.6	6 15	236
α Columbæ ...	2.7	7 37	236
β Columbæ ...	3.2	7 44	232
ν Argus ...	3.2	8 6	215
ζ Canis Majoris	3.1	8 22	244
σ Argus ...	3.3	8 58	215
π Argus ...	2.7	9 8	230
η Canis Majoris	2.4	9 28	246
ζ Argus ...	2.3	9 46	223
λ Argus ...	2.2	10 36	215
α Mali ...	3.7	10 42	238
ψ Argus ...	3.6	11 12	222
ξ Hydræ ...	3.7	13 33	241
β Corvi ...	2.8	14 39	259
ι Centauri ...	2.9	15 11	231
μ Centauri ...	3.3	15 21	217
θ Centauri ...	2.3	15 58	232
η Centauri ...	2.7	16 8	218
β Lupi ...	2.8	16 26	216
κ Centauri ...	3.4	16 32	218
ι 13 G Lupi ...	3.0	17 11	220
ϵ Scorpii ...	2.4	18 45	236
θ Scorpii ...	2.0	19 3	215
ν Scorpii ...	2.8	19 18	229
λ Scorpii ...	1.7	19 22	230
κ Scorpii ...	2.5	19 25	225
ι^1 Scorpii ...	3.1	19 26	222
α Telescopii ...	3.8	19 34	206
γ Sagittarii ...	3.1	20 6	244
η Sagittarii ...	3.2	20 6	230
ϵ Sagittarii ...	2.0	20 18	235
δ Sagittarii ...	2.8	20 22	245
ζ Sagittarii ...	2.7	21 2	244
ζ Capricorni ...	3.9	23 31	259
γ Gruis ...	3.2	23 41	228

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Piscium... ..	3.9	0 32	317
ω Piscium... ..	4.0	0 53	330
γ Ceti	3.7	3 58	318
δ Ceti	4.0	4 7	309
α Ceti	2.8	4 13	321
π^3 Orionis	3.3	5 40	332
γ Orionis	1.7	6 20	330
α Orionis	1.2	6 42	334
β Eridani	2.9	6 52	296
η Orionis	3.4	7 0	303
δ Orionis	2.5	7 1	308
ϵ Orionis	1.7	7 8	306
ζ Orionis	2.0	7 15	304
ι Orionis	2.9	7 21	294
α Canis Minoris	0.5	8 40	326
ϵ Hydræ	3.5	9 38	331
ζ Hydræ	3.3	9 51	329
σ Monocerotis ...	4.0	10 6	300
β Virginis... ..	3.8	13 8	316
η Virginis... ..	4.0	13 48	309
δ Virginis... ..	3.7	14 6	321
γ Virginis... ..	3.0	14 13	306
ζ Virginis... ..	3.4	15 3	309
α Serpentis	2.8	16 36	331
ϵ Serpentis	3.8	16 56	324
μ Serpentis	3.6	17 27	301
λ Ophiuchi	3.9	17 49	316
δ Ophiuchi	3.0	17 53	300
ϵ Ophiuchi	3.3	18 0	298
β Ophiuchi	2.9	18 49	323
η Serpentis	3.4	19 58	302
δ Aquilæ	3.4	20 39	318
λ Aquilæ	3.6	20 49	296
β Aquilæ	3.9	20 50	329
θ Aquilæ	3.4	21 42	306
β Aquarii	3.1	23 17	294
α Aquarii	3.2	23 36	307
γ Aquarii	4.0	23 55	304

NE. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
δ Ceti ...	4.0	1 7	48
γ Ceti ...	3.7	1 25	39
α Ceti ...	2.8	1 49	36
β Eridani ...	2.9	3 18	62
η Orionis ...	3.4	3 43	55
ι Orionis ...	2.9	3 43	64
δ Orionis ...	2.5	3 58	49
π ³ Orionis ...	3.3	3 58	24
ε Orionis ...	1.7	3 59	52
ζ Orionis ...	2.0	4 2	54
γ Orionis ...	1.7	4 30	26
α Canis Minoris	0.5	6 37	30
30 Monocerotis ...	4.0	6 41	58
ε Hydræ ...	3.5	7 54	25
ζ Hydræ ...	3.3	7 59	27
β Virginis...	3.8	10 29	41
η Virginis...	4.0	10 47	49
γ Virginis...	3.0	11 6	51
δ Virginis...	3.7	11 42	36
ζ Virginis...	3.4	12 2	49
μ Serpentis ...	3.6	14 6	57
δ Ophiuchi ...	3.0	14 30	58
ε Ophiuchi ...	3.3	14 30	60
ε Serpentis ...	3.8	14 44	33
α Serpentis ...	2.8	14 52	25
λ Ophiuchi ...	3.9	15 10	41
β Ophiuchi ...	2.9	16 35	33
η Serpentis ...	3.4	16 39	56
λ Aquilæ ...	3.6	17 17	61
δ Aquilæ ...	3.4	18 8	39
θ Aquilæ ...	3.4	18 35	51
β Aquilæ ...	3.9	18 59	27
β Aquarii ...	3.1	19 39	64
α Aquarii ...	3.2	20 31	50
γ Aquarii ...	4.0	20 42	53
γ Piscium...	3.9	21 59	40
ω Piscium...	4.0	23 5	26

SE. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
θ Eridani	3.0	1 8	137
υ ⁴ Eridani ...	3.6	2 13	122
α Horologii ...	3.8	2 31	141
α Columbæ ...	2.7	3 35	123
β Columbæ ...	3.2	3 49	126
ζ <i>Canis Majoris</i>	3.1	4 10	114
ν Argus ...	3.2	4 58	143
π Argus ...	2.7	5 17	129
σ Argus ...	3.3	5 50	143
ζ Argus ...	2.3	6 11	135
α Mali ...	3.7	6 36	120
γ Argus ...	2.2	6 54	155
λ Argus ...	2.2	7 28	143
ψ Argus ...	3.6	7 39	136
ξ Hydræ ...	3.7	9 23	117
ι Centauri ...	2.9	11 17	127
μ Centauri ...	3.3	12 3	140
θ Centauri ...	2.3	12 3	127
ζ Centauri ...	3.1	12 35	154
η Centauri ...	2.7	12 47	140
κ Centauri ...	3.4	13 11	140
β Lupi ...	2.8	13 14	142
α Lupi ...	2.9	13 22	154
113 G Lupi ...	3.0	13 44	138
ε Scorpïi ...	2.4	14 43	123
υ Scorpïi ...	2.8	15 28	129
λ Scorpïi ...	1.7	15 31	129
κ Scorpïi ...	2.5	15 45	133
θ Scorpïi ...	2.0	15 53	143
ι ¹ Scorpïi ...	3.1	15 53	136
γ Sagittarii ...	3.1	15 54	115
η Sagittarii ...	3.2	16 15	128
ε Sagittarii ...	2.0	16 17	123
ζ <i>Sagittarii</i>	2.7	16 50	114
α Telescopii ...	3.8	17 0	151
α <i>Indi</i> ...	3.2	19 23	156
γ Gruis ...	3.2	19 54	130
α <i>Piscis Australis</i>	1.3	20 46	114
α <i>Gruis</i> ...	2.2	20 53	156
β Gruis ...	2.2	21 27	155
α <i>Phœnicis</i> ...	2.4	22 43	142
β <i>Phœnicis</i> ...	3.4	23 50	155
γ <i>Phœnicis</i> ...	3.4	23 51	145

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α <i>Piscis Australis</i>	1.3	1 0	246
α <i>Phœnicis</i> ...	2.4	2 1	218
β <i>Phœnicis</i> ...	3.4	2 14	205
γ <i>Phœnicis</i> ...	3.4	2 59	215
θ <i>Eridani</i> ...	3.0	4 42	223
α <i>Horologii</i> ...	3.8	5 51	219
ν^4 <i>Eridani</i> ...	3.6	6 17	238
α <i>Columbæ</i> ...	2.7	7 39	237
β <i>Columbæ</i> ...	3.2	7 47	234
ν <i>Argus</i> ...	3.2	8 12	217
ζ <i>Canis Majoris</i>	3.1	8 24	246
σ <i>Argus</i> ...	3.3	9 4	217
π <i>Argus</i> ...	2.7	9 11	231
γ <i>Argus</i> ...	2.2	9 20	205
ζ <i>Argus</i> ...	2.3	9 51	225
λ <i>Argus</i> ...	2.2	10 42	217
α <i>Mali</i> ...	3.7	10 44	240
ψ <i>Argus</i> ...	3.6	11 17	224
ξ <i>Hydræ</i> ...	3.7	13 35	243
ζ <i>Centauri</i> ...	3.1	15 5	206
ι <i>Centauri</i> ...	2.9	15 15	233
μ <i>Centauri</i> ...	3.3	15 27	220
α <i>Lupi</i> ...	2.9	15 50	206
θ <i>Centauri</i> ...	2.3	16 1	233
η <i>Centauri</i> ...	2.7	16 13	220
β <i>Lupi</i> ...	2.8	16 32	218
κ <i>Centauri</i> ...	3.4	16 37	220
ι_3 γ <i>Lupi</i> ...	3.0	17 16	222
ϵ <i>Scorpii</i> ...	2.4	18 47	237
θ <i>Scorpii</i> ...	2.0	19 9	217
ν <i>Scorpii</i> ...	2.8	19 22	231
λ <i>Scorpii</i> ...	1.7	19 25	231
κ <i>Scorpii</i> ...	2.5	19 29	227
ι^1 <i>Scorpii</i> ...	3.1	19 31	224
α <i>Telescopii</i> ...	3.8	19 42	209
γ <i>Sagittarii</i> ...	3.1	20 8	245
η <i>Sagittarii</i> ...	3.2	20 9	232
ϵ <i>Sagittarii</i> ...	2.0	20 21	237
ζ <i>Sagittarii</i>	2.7	21 4	246
α <i>Indi</i> ...	3.2	21 41	204
α <i>Gruis</i> ...	2.2	23 13	204
γ <i>Gruis</i> ...	3.2	23 44	230
β <i>Gruis</i> ...	2.2	23 49	205

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ <i>Piscium</i>	3.9	0 27	320
ω <i>Piscium</i>	4.0	0 45	334
γ <i>Ceti</i>	3.7	3 53	321
δ <i>Ceti</i>	4.0	4 3	312
α <i>Ceti</i>	2.8	4 7	324
π^3 <i>Orionis</i>	3.3	5 32	336
γ <i>Orionis</i>	1.7	6 13	334
β <i>Eridani</i>	2.9	6 50	298
η <i>Orionis</i>	3.4	6 57	305
δ <i>Orionis</i>	2.5	6 58	311
ϵ <i>Orionis</i>	1.7	7 5	308
ζ <i>Orionis</i>	2.0	7 12	306
ι <i>Orionis</i>	2.9	7 19	296
α <i>Canis Minoris</i>	0.5	8 33	330
ϵ <i>Hydræ</i>	3.5	9 30	335
ζ <i>Hydræ</i>	3.3	9 43	333
γ_0 <i>Monocerotis</i> ...	4.0	10 3	302
β <i>Virginis</i>	3.8	13 3	319
η <i>Virginis</i>	4.0	13 45	311
δ <i>Virginis</i>	3.7	14 0	324
γ <i>Virginis</i>	3.0	14 10	309
ζ <i>Virginis</i>	3.4	15 0	311
α <i>Serpentis</i>	2.8	16 28	335
ϵ <i>Serpentis</i>	3.8	16 50	327
μ <i>Serpentis</i>	3.6	17 24	303
λ <i>Ophiuchi</i>	3.9	17 44	319
δ <i>Ophiuchi</i>	3.0	17 50	302
ϵ <i>Ophiuchi</i>	3.3	17 58	300
β <i>Ophiuchi</i>	2.9	18 43	327
η <i>Serpentis</i>	3.4	19 55	304
δ <i>Aquilæ</i>	3.4	20 34	321
β <i>Aquilæ</i>	3.9	20 43	333
λ <i>Aquilæ</i>	3.6	20 47	299
θ <i>Aquilæ</i>	3.4	21 39	309
β <i>Aquarii</i>	3.1	23 15	296
α <i>Aquarii</i>	3.2	23 33	310
γ <i>Aquarii</i>	4.0	23 52	307

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Ceti ...	4.0	1 11	46
γ Ceti ...	3.7	1 31	36
α Ceti ...	2.8	1 56	33
β Eridani ...	2.9	3 21	60
ι Orionis ...	2.9	3 45	62
η Orionis ...	3.4	3 46	53
δ Orionis ...	2.5	4 2	47
ε Orionis ...	1.7	4 3	49
ζ Orionis ...	2.0	4 5	51
30 Monocerotis ...	4.0	6 44	56
α Canis Minoris	0.5	6 45	26
α Hydræ ...	2.2	7 33	67
ζ Hydræ ...	3.3	8 8	22
β Virginis...	3.8	10 34	38
η Virginis...	4.0	10 51	46
γ Virginis...	3.0	11 10	49
δ Virginis...	3.7	11 49	33
ζ Virginis...	3.4	12 6	46
μ Serpentis	3.6	14 9	54
δ Ophiuchi	3.0	14 33	55
ε Ophiuchi	3.3	14 33	58
ε Serpentis	3.8	14 51	29
λ Ophiuchi	3.9	15 15	38
β Ophiuchi	2.9	16 42	29
η Serpentis	3.4	16 42	54
λ Aquilæ ...	3.6	17 20	59
δ Aquilæ ...	3.4	18 14	36
θ Aquilæ ...	3.4	18 38	49
β Aquilæ ...	3.9	19 8	22
β Aquarii ...	3.1	19 42	61
α Aquarii ...	3.2	20 35	48
γ Aquarii ...	4.0	20 45	51
λ Aquarii ...	3.8	20 57	66
γ Piscium...	3.9	22 5	36

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani ...	3.0	1 3	135
υ ⁴ Eridani ...	3.6	2 10	120
α Horologii	3.8	2 26	139
α Columbæ ...	2.7	3 32	121
β Columbæ ...	3.2	3 46	124
ν Argus ...	3.2	4 52	141
π Argus ...	2.7	5 14	127
σ Argus ...	3.3	5 44	141
ζ Argus ...	2.3	6 7	133
α Mali ...	3.7	6 33	118
γ Argus ...	2.2	6 46	152
λ Argus ...	2.2	7 22	141
ψ Argus ...	3.6	7 35	134
ξ Hydræ ...	3.7	9 21	115
ι Centauri	2.9	11 14	125
γ Centauri	2.4	11 27	156
μ Centauri	3.3	11 58	138
θ Centauri	2.3	12 0	125
ζ Centauri	3.1	12 27	151
η Centauri	2.7	12 42	137
κ Centauri	3.4	13 6	137
β Lupi ...	2.8	13 9	140
α Lupi ...	2.9	13 14	151
113G Lupi ...	3.0	13 39	135
ε Scorpæ ...	2.4	14 40	121
υ Scorpæ ...	2.8	15 25	127
λ Scorpæ ...	1.7	15 28	127
κ Scorpæ ...	2.5	15 41	131
θ Scorpæ ...	2.0	15 48	140
ι ¹ Scorpæ ...	3.1	15 49	134
η Sagittarii	3.2	16 12	126
ε Sagittarii	2.0	16 14	121
α Telescopii	3.8	16 53	148
α Indi ...	3.2	19 14	153
γ Gruis ...	3.2	19 50	129
α Gruis ...	2.2	20 44	153
β Gruis ...	2.2	21 18	152
α Phœnicis	2.4	22 38	140
β Phœnicis	3.4	23 41	152
γ Phœnicis	3.4	23 45	142

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α <i>Piscis Australis</i>	1.3	1 2	248
α <i>Phœnicis</i> ...	2.4	2 6	220
β <i>Phœnicis</i> ...	3.4	2 23	208
γ <i>Phœnicis</i> ...	3.4	3 5	218
θ <i>Eridani</i> ...	3.0	4 47	225
α <i>Horologii</i> ...	3.8	5 56	221
ν <i>Eridani</i> ...	3.6	6 20	240
α <i>Columbæ</i> ...	2.7	7 42	239
β <i>Columbæ</i> ...	3.2	7 50	236
ν <i>Argus</i> ...	3.2	8 18	219
σ <i>Argus</i> ...	3.3	9 10	219
π <i>Argus</i> ...	2.7	9 14	233
γ <i>Argus</i> ...	2.2	9 28	208
ζ <i>Argus</i> ...	2.3	9 55	227
a <i>Mali</i> ...	3.7	10 47	242
λ <i>Argus</i> ...	2.2	10 48	219
ψ <i>Argus</i> ...	3.6	11 21	226
ξ <i>Hydræ</i> ...	3.7	13 37	245
γ <i>Centauri</i> ...	2.4	13 47	204
ζ <i>Centauri</i> ...	3.1	15 13	209
ι <i>Centauri</i> ...	2.9	15 18	235
μ <i>Centauri</i> ...	3.3	15 32	222
α <i>Lupi</i> ...	2.9	15 58	209
θ <i>Centauri</i> ...	2.3	16 4	235
η <i>Centauri</i> ...	2.7	16 18	223
β <i>Lupi</i> ...	2.8	16 37	220
κ <i>Centauri</i> ...	3.4	16 42	223
ι γ <i>Lupi</i> ...	3.0	17 21	225
ϵ <i>Scorpii</i> ...	2.4	18 50	239
θ <i>Scorpii</i> ...	2.0	19 14	220
ν <i>Scorpii</i> ...	2.8	19 25	233
λ <i>Scorpii</i> ...	1.7	19 28	233
κ <i>Scorpii</i> ...	2.5	19 33	229
ι γ <i>Scorpii</i> ...	3.1	19 35	226
α <i>Telescopii</i> ...	3.8	19 49	212
η <i>Sagittarii</i> ...	3.2	20 12	234
ϵ <i>Sagittarii</i> ...	2.0	20 24	239
ζ <i>Sagittarii</i> ...	3.7	21 6	248
α <i>Indi</i> ...	3.2	21 50	207
α <i>Gruis</i> ...	2.2	23 22	207
γ <i>Gruis</i> ...	3.2	23 48	231
β <i>Gruis</i> ...	2.2	23 58	208

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ <i>Piscium</i> ...	3.9	0 21	324
λ <i>Aquarii</i> ...	3.8	0 39	294
γ <i>Ceti</i> ...	3.7	3 47	324
δ <i>Ceti</i> ...	4.0	3 59	314
α <i>Ceti</i> ...	2.8	4 0	327
β <i>Eridani</i> ...	2.9	6 47	300
δ <i>Orionis</i> ...	2.5	6 54	313
η <i>Orionis</i> ...	3.4	6 54	307
ϵ <i>Orionis</i> ...	1.7	7 1	311
ζ <i>Orionis</i> ...	2.0	7 9	309
ι <i>Orionis</i> ...	2.9	7 17	298
α <i>Canis Minoris</i>	0.5	8 25	334
ζ <i>Hydræ</i> ...	3.3	9 34	338
γ <i>Monocerotis</i> ...	4.0	10 0	304
α <i>Hydræ</i> ...	2.2	11 15	293
β <i>Virginis</i> ...	3.8	12 58	322
η <i>Virginis</i> ...	4.0	13 41	314
δ <i>Virginis</i> ...	3.7	13 53	327
γ <i>Virginis</i> ...	3.0	14 6	311
ζ <i>Virginis</i> ...	3.4	14 56	314
ϵ <i>Serpentis</i> ...	3.8	16 43	331
μ <i>Serpentis</i> ...	3.6	17 21	306
λ <i>Ophiuchi</i> ...	3.9	17 39	322
δ <i>Ophiuchi</i> ...	3.0	17 47	305
ϵ <i>Ophiuchi</i> ...	3.3	17 55	302
β <i>Ophiuchi</i> ...	2.9	18 36	331
η <i>Serpentis</i> ...	3.4	19 52	306
δ <i>Aquilæ</i> ...	3.4	20 28	324
β <i>Aquilæ</i> ...	3.9	20 34	338
λ <i>Aquilæ</i> ...	3.6	20 44	301
θ <i>Aquilæ</i> ...	3.4	21 36	311
β <i>Aquarii</i> ...	3.1	23 12	299
α <i>Aquarii</i> ...	3.2	23 29	312
γ <i>Aquarii</i> ...	4.0	23 49	309

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Ceti ...	4.0	1 16	43
γ Ceti ...	3.7	1 37	32
α Ceti ...	2.8	2 3	29
β Orionis ...	0.3	3 21	65
β Eridani ...	2.9	3 24	57
ι Orionis ...	2.9	3 48	60
η Orionis ...	3.4	3 49	50
δ Orionis ...	2.5	4 7	44
ε Orionis ...	1.7	4 7	47
ζ Orionis ...	2.0	4 8	49
30 Monocerotis ...	4.0	6 47	53
α Hydræ ...	2.2	7 35	65
δ Crateris ...	3.8	9 13	79
β Virginis ...	3.8	10 40	35
η Virginis ...	4.0	10 56	43
γ Virginis ...	3.0	11 14	46
δ Virginis ...	3.7	11 56	29
ζ Virginis ...	3.4	12 11	43
μ Serpentis ...	3.6	14 12	52
δ Ophiuchi ...	3.0	14 36	53
ε Ophiuchi ...	3.3	14 36	56
ε Serpentis ...	3.8	14 59	25
λ Ophiuchi ...	3.9	15 21	35
η Serpentis ...	3.4	16 45	51
β Ophiuchi ...	2.9	16 50	25
λ Aquilæ ...	3.6	17 22	57
δ Aquilæ ...	3.4	18 20	32
θ Aquilæ ...	3.4	18 42	46
β Aquarii ...	3.1	19 45	59
α Aquarii ...	3.2	20 39	45
γ Aquarii ...	4.0	20 49	48
λ Aquarii ...	3.8	20 59	64
γ Piscium ...	3.9	22 11	33
θ Ceti ...	3.8	23 29	66

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani ...	3.0	0 59	133
υ ⁴ Eridani ...	3.6	2 7	119
α Horologii ...	3.8	2 21	137
α Columbæ ...	2.7	3 29	119
β Columbæ ...	3.2	3 43	122
ν Argus ...	3.2	4 47	138
π Argus ...	2.7	5 10	125
σ Argus ...	3.3	5 39	138
ζ Argus ...	2.3	6 3	131
α Mali ...	3.7	6 31	116
γ Argus ...	2.2	6 38	149
λ Argus ...	2.2	7 17	138
ψ Argus ...	3.6	7 31	132
μ Argus ...	2.8	9 27	155
ι Centauri ...	2.9	11 11	123
γ Centauri ...	2.4	11 17	153
μ Centauri ...	3.3	11 54	136
θ Centauri ...	2.3	11 57	123
ζ Centauri ...	3.1	12 20	148
η Centauri ...	2.7	12 38	135
κ Centauri ...	3.4	13 2	135
β Lupi ...	2.8	13 4	138
α Lupi ...	2.9	13 6	148
113G Lupi ...	3.0	13 35	133
ε Scorpæ ...	2.4	14 37	119
υ Scorpæ ...	2.8	15 22	125
λ Scorpæ ...	1.7	15 24	125
κ Scorpæ ...	2.5	15 37	129
θ Scorpæ ...	2.0	15 43	138
ι ¹ Scorpæ ...	3.1	15 45	132
η Sagittarii ...	3.2	16 8	125
ε Sagittarii ...	2.0	16 12	120
α Telescopii ...	3.8	16 46	146
α Indi ...	3.2	19 6	150
γ Gruis ...	3.2	19 47	127
α Gruis ...	2.2	20 36	150
β Gruis ...	2.2	21 10	149
α Phœnicis ...	2.4	22 33	138
β Phœnicis ...	3.4	23 33	149
γ Phœnicis ...	3.4	23 40	140

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Gruis	2.2	0 6	211
α <i>Piscis Australis</i> ...	1.3	1 4	250
α Phœnicis	2.4	2 11	222
β Phœnicis	3.4	2 31	211
γ Phœnicis	3.4	3 10	220
θ Eridani	3.0	4 51	227
α Horologii	3.8	6 1	223
ν^4 Eridani	3.6	6 23	241
α Columbæ	2.7	7 45	241
β Columbæ	3.2	7 53	238
ν Argus	3.2	8 23	222
σ Argus	3.3	9 15	222
π Argus	2.7	9 18	235
γ Argus	2.2	9 36	211
ζ Argus	2.3	9 59	229
α Mali	3.7	10 49	244
λ Argus	2.2	10 53	222
ψ Argus	3.6	11 25	228
μ Argus	2.8	11 59	205
γ Centauri	2.4	13 57	207
ζ Centauri	3.1	15 20	212
ι Centauri	2.9	15 21	237
μ Centauri	3.3	15 36	224
α Lupi	2.9	16 6	212
θ Centauri	2.3	16 7	237
η Centauri	2.7	16 22	225
β Lupi	2.8	16 42	222
κ Centauri	3.4	16 46	225
ι 13 γ Lupi	3.0	17 25	227
ϵ Scorpïi	2.4	18 53	241
θ Scorpïi	2.0	19 19	222
ν Scorpïi	2.8	19 28	235
λ Scorpïi	1.7	19 32	235
κ Scorpïi	2.5	19 37	231
ι^1 Scorpïi	3.1	19 39	228
α Telescopii	3.8	19 56	214
η Sagittarii	3.2	20 16	235
ϵ Sagittarii	2.0	20 26	240
ζ <i>Sagittarii</i>	3.7	21 8	250
α Indi	3.2	21 58	210
α Gruis	2.2	23 30	210
γ Gruis	3.2	23 51	233

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Piscium... ..	3.9	0 15	327
λ Aquarii	3.8	0 37	296
θ <i>Ceti</i>	3.8	3 11	294
γ <i>Ceti</i>	3.7	3 41	328
α <i>Ceti</i>	2.8	3 53	331
δ <i>Ceti</i>	4.0	3 54	317
β Eridani	2.9	6 44	303
δ Orionis	2.5	6 49	316
η Orionis	3.4	6 51	310
ϵ Orionis	1.7	6 57	313
β Orionis	0.3	7 1	295
ζ Orionis	2.0	7 6	311
ι Orionis	2.9	7 14	300
30 ν Monocerotis	4.0	9 57	307
α Hydræ	2.2	11 13	295
β Virginis... ..	3.8	12 52	325
η Virginis... ..	4.0	13 36	317
δ Virginis... ..	3.7	13 46	331
γ Virginis... ..	3.0	14 2	314
ζ Virginis... ..	3.4	14 51	317
ϵ Serpentis	3.8	16 35	335
μ Serpentis	3.6	17 18	308
λ Ophiuchi	3.9	17 33	325
δ Ophiuchi	3.0	17 44	307
ϵ Ophiuchi	3.3	17 52	304
β Ophiuchi	2.9	18 28	335
η Serpentis	3.4	19 49	309
δ Aquilæ	3.4	20 22	328
λ Aquilæ	3.6	20 42	303
θ Aquilæ	3.4	21 32	314
β Aquarii	3.1	23 9	301
α Aquarii	3.2	23 25	315
γ Aquarii	4.0	23 45	312

LATITUDE 24° SOUTH.

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Ceti ...	4.0	1 21	40
ε Eridani ...	3.8	1 38	66
γ Ceti ...	3.7	1 44	28
α Ceti ...	2.8	2 11	24
β Orionis ...	0.3	3 24	63
β Eridani ...	2.9	3 27	55
ι Orionis ...	2.9	3 51	57
η Orionis ...	3.4	3 53	48
κ Orionis ...	2.2	3 53	66
δ Orionis ...	2.5	4 11	41
ε Orionis ...	1.7	4 11	44
ζ Orionis ...	2.0	4 12	46
30 Monocerotis ...	4.0	6 50	51
α Hydræ ...	2.2	7 37	63
δ Crateris ...	3.8	9 14	77
β Virginis ...	3.8	10 46	31
η Virginis ...	4.0	11 1	40
γ Virginis ...	3.0	11 18	43
α Virginis ...	1.2	11 28	69
δ Virginis ...	3.7	12 4	24
ζ Virginis ...	3.4	12 16	40
β Libræ ...	2.7	13 23	65
μ Serpentis ...	3.6	14 15	50
δ Ophiuchi ...	3.0	14 39	51
ε Ophiuchi ...	3.3	14 39	53
λ Ophiuchi ...	3.9	15 27	31
ν Ophiuchi ...	3.5	16 3	67
η Serpentis ...	3.4	16 48	49
λ Aquilæ ...	3.6	17 25	55
δ Aquilæ ...	3.4	18 27	28
θ Aquilæ ...	3.4	18 47	43
ε Aquarii ...	3.8	18 51	67
β Aquarii ...	3.1	19 47	57
α Aquarii ...	3.2	20 44	42
γ Aquarii ...	4.0	20 53	46
λ Aquarii ...	3.8	21 1	62
γ Piscium ...	3.9	22 18	29
ι Ceti ...	3.8	22 25	65
θ Ceti ...	3.8	23 32	64

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani ...	3.0	0 56	131
υ ⁴ Eridani ...	3.6	2 5	117
α Horologii ...	3.8	2 17	135
α Columbæ ...	2.7	3 27	117
β Columbæ ...	3.2	3 40	121
ν Argus ...	3.2	4 42	136
π Argus ...	2.7	5 7	123
σ Argus ...	3.3	5 34	136
τ Argus ...	2.8	5 36	157
ζ Argus ...	2.3	6 0	129
α Mali ...	3.7	6 29	115
γ Argus ...	2.2	6 31	146
λ Argus ...	2.2	7 12	136
ψ Argus ...	3.6	7 27	130
μ Argus ...	2.8	9 19	152
δ Centauri ...	2.9	10 49	156
ι Centauri ...	2.9	11 8	121
γ Centauri ...	2.4	11 9	150
μ Centauri ...	3.3	11 50	134
θ Centauri ...	2.3	11 54	121
ζ Centauri ...	3.1	12 13	146
η Centauri ...	2.7	12 34	133
κ Centauri ...	3.4	12 58	133
α Lupi ...	2.9	12 59	146
β Lupi ...	2.8	13 0	136
113G Lupi ...	3.0	13 31	131
ε Scorpis ...	2.4	14 35	117
υ Scorpis ...	2.8	15 19	124
λ Scorpis ...	1.7	15 21	123
κ Scorpis ...	2.5	15 34	127
θ Scorpis ...	2.0	15 38	136
ι Scorpis ...	3.1	15 41	130
η Sagittarii ...	3.2	16 5	123
α Aræ ...	3.0	16 7	154
ε Sagittarii ...	2.0	16 9	118
α Telescopii ...	3.8	16 40	143
α Indi ...	3.2	18 59	148
γ Gruis ...	3.2	19 44	125
α Gruis ...	2.2	20 29	147
β Gruis ...	2.2	21 3	147
α Phœnicis ...	2.4	22 29	136
β Phœnicis ...	3.4	23 26	146
γ Phœnicis ...	3.4	23 35	138

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Gruis ...	2.2	0 13	213
α <i>Piscis Australis</i>	1.3	1 6	251
α Phœnicis ...	2.4	2 15	224
β Phœnicis ...	3.4	2 38	214
γ Phœnicis ...	3.4	3 15	222
θ Eridani ...	3.0	4 54	229
α Horologii ...	3.8	6 5	225
υ ⁴ Eridani ...	3.6	6 25	243
α Columbæ ...	2.7	7 47	243
β Columbæ ...	3.2	7 56	239
τ <i>Argus</i> ...	2.8	8 0	203
ν <i>Argus</i> ...	3.2	8 28	224
σ <i>Argus</i> ...	3.3	9 20	224
π <i>Argus</i> ...	2.7	9 21	237
γ <i>Argus</i> ...	2.2	9 43	214
ζ <i>Argus</i> ...	2.3	10 2	231
α <i>Mali</i> ...	3.7	10 51	245
λ <i>Argus</i> ...	2.2	10 58	224
ψ <i>Argus</i> ...	3.6	11 29	230
μ <i>Argus</i> ...	2.8	12 7	208
δ <i>Centauri</i> ...	2.9	13 19	204
γ <i>Centauri</i> ...	2.4	14 5	210
ι <i>Centauri</i> ...	2.9	15 24	239
ζ <i>Centauri</i> ...	3.1	15 27	214
μ <i>Centauri</i> ...	3.3	15 40	226
θ <i>Centauri</i> ...	2.3	16 10	239
α <i>Lupi</i> ...	2.9	16 13	214
η <i>Centauri</i> ...	2.7	16 26	227
β <i>Lupi</i> ...	2.8	16 46	224
κ <i>Centauri</i> ...	3.4	16 50	227
ι 13 <i>G Lupi</i> ...	3.0	17 29	229
α <i>Aræ</i> ...	3.0	18 43	206
ε <i>Scorpii</i> ...	2.4	18 55	243
θ <i>Scorpii</i> ...	2.0	19 24	224
υ <i>Scorpii</i> ...	2.8	19 31	236
λ <i>Scorpii</i> ...	1.7	19 35	237
κ <i>Scorpii</i> ...	2.5	19 40	233
ι ¹ <i>Scorpii</i> ...	3.1	19 43	230
α <i>Telescopii</i> ...	3.8	20 2	217
η <i>Sagittarii</i> ...	3.2	20 19	237
ε <i>Sagittarii</i> ...	2.0	20 29	242
ζ <i>Sagittarii</i> ...	3.7	21 10	251
α <i>Indi</i> ...	3.2	22 5	212
α <i>Gruis</i> ...	2.2	23 37	213
γ <i>Gruis</i> ...	3.2	23 54	235

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ <i>Piscium</i> ...	3.9	0 8	331
λ <i>Aquarii</i> ...	3.8	0 35	298
ι <i>Ceti</i> ...	3.8	2 5	295
θ <i>Ceti</i> ...	3.8	3 8	296
γ <i>Ceti</i> ...	3.7	3 34	332
α <i>Ceti</i> ...	2.8	3 45	336
δ <i>Ceti</i> ...	4.0	3 49	320
ε <i>Eridani</i> ...	3.8	5 20	294
β <i>Eridani</i> ...	2.9	6 41	305
δ <i>Orionis</i> ...	2.5	6 45	319
η <i>Orionis</i> ...	3.4	6 47	312
ε <i>Orionis</i> ...	1.7	6 53	316
β <i>Orionis</i> ...	0.3	6 58	297
ζ <i>Orionis</i> ...	2.0	7 2	314
ι <i>Orionis</i> ...	2.9	7 11	303
κ <i>Orionis</i> ...	2.2	7 35	294
30 <i>Monocerotis</i> ...	4.0	9 54	309
α <i>Hydræ</i> ...	2.2	11 11	297
β <i>Virginis</i> ...	3.8	12 46	329
η <i>Virginis</i> ...	4.0	13 31	320
δ <i>Virginis</i> ...	3.7	13 38	336
γ <i>Virginis</i> ...	3.0	13 58	317
ζ <i>Virginis</i> ...	3.4	14 46	320
α <i>Virginis</i> ...	1.2	15 14	291
ε <i>Serpentis</i> ...	3.8	16 24	341
β <i>Libræ</i> ...	2.7	17 3	295
μ <i>Serpentis</i> ...	3.6	17 15	310
λ <i>Ophiuchi</i> ...	3.9	17 27	329
δ <i>Ophiuchi</i> ...	3.0	17 41	309
ε <i>Ophiuchi</i> ...	3.3	17 49	307
η <i>Serpentis</i> ...	3.4	19 46	311
ν <i>Ophiuchi</i> ...	3.5	19 47	293
δ <i>Aquilæ</i> ...	3.4	20 15	332
λ <i>Aquilæ</i> ...	3.6	20 39	305
θ <i>Aquilæ</i> ...	3.4	21 27	317
ε <i>Aquarii</i> ...	3.8	22 35	293
β <i>Aquarii</i> ...	3.1	23 7	303
α <i>Aquarii</i> ...	3.2	23 20	318
γ <i>Aquarii</i> ...	4.0	23 41	314

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Ceti ...	4.0	1 27	36
ε Eridani ...	3.8	1 40	64
δ Eridani ...	3.7	1 49	65
γ Ceti ...	3.7	1 54	23
β Orionis ...	0.3	3 26	61
β Eridani ...	2.9	3 30	52
ι Orionis ...	2.9	3 54	55
κ Orionis ...	2.2	3 55	64
η Orionis ...	3.4	3 58	45
ε Orionis ...	1.7	4 16	40
δ Orionis ...	2.5	4 17	37
ζ Orionis ...	2.0	4 17	43
30 Monocerotis ...	4.0	6 54	48
α Hydræ ...	2.2	7 39	61
δ Crateris ...	3.8	9 16	75
β Virginis ...	3.8	10 54	27
η Virginis ...	4.0	11 7	37
γ Virginis ...	3.0	11 24	40
α Virginis ...	1.2	11 29	67
ζ Virginis ...	3.4	12 21	37
β Libræ ...	2.7	13 26	63
μ Serpentis ...	3.6	14 19	47
ζ Ophiuchi ...	2.7	14 42	66
δ Ophiuchi ...	3.0	14 43	48
ε Ophiuchi ...	3.3	14 43	51
λ Ophiuchi ...	3.9	15 35	27
ν Ophiuchi ...	3.5	16 6	64
η Serpentis ...	3.4	16 52	46
λ Aquilæ ...	3.6	17 28	52
δ Aquilæ ...	3.4	18 37	23
θ Aquilæ ...	3.4	18 52	40
ε Aquarii ...	3.8	18 54	64
β Aquarii ...	3.1	19 50	54
α Aquarii ...	3.2	20 49	39
γ Aquarii ...	4.0	20 58	42
λ Aquarii ...	3.8	21 4	60
γ Piscium ...	3.9	22 27	24
ι Ceti ...	3.8	22 27	63
θ Ceti ...	3.8	23 34	61
ζ Ceti ...	3.9	23 55	67

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani ...	3.0	0 52	129
υ ⁴ Eridani ...	3.6	2 3	115
α Horologii ...	3.8	2 13	133
α Columbæ ...	2.7	3 25	115
β Columbæ ...	3.2	3 37	119
ν Argus ...	3.2	4 38	134
π Argus ...	2.7	5 5	121
τ Argus ...	2.8	5 26	154
σ Argus ...	3.3	5 30	134
ζ Argus ...	2.3	5 56	127
γ Argus ...	2.2	6 25	144
λ Argus ...	2.2	7 8	134
ψ Argus ...	3.6	7 24	128
μ Argus ...	2.8	9 11	149
δ Centauri ...	2.9	10 40	153
γ Centauri ...	2.4	11 2	148
ι Centauri ...	2.9	11 6	120
μ Centauri ...	3.3	11 45	132
θ Centauri ...	2.3	11 52	119
ζ Centauri ...	3.1	12 7	143
η Centauri ...	2.7	12 30	132
α Lupi ...	2.9	12 53	144
κ Centauri ...	3.4	12 54	132
β Lupi ...	2.8	12 56	134
113G Lupi ...	3.0	13 27	130
ε Scorpæ ...	2.4	14 33	116
υ Scorpæ ...	2.8	15 16	122
λ Scorpæ ...	1.7	15 19	121
κ Scorpæ ...	2.5	15 31	126
θ Scorpæ ...	2.0	15 34	134
ι ¹ Scorpæ ...	3.1	15 38	128
α Aræ ...	3.0	15 58	151
η Sagittarii ...	3.2	16 3	121
ε Sagittarii ...	2.0	16 7	116
α Telescopii ...	3.8	16 34	141
ζ Sagittarii ...	3.7	16 43	107
α Indi ...	3.2	18 52	145
γ Gruis ...	3.2	19 41	123
α Gruis ...	2.2	20 22	145
β Gruis ...	2.2	20 57	144
α Phœnicis ...	2.4	22 25	134
β Phœnicis ...	3.4	23 20	144
γ Phœnicis ...	3.4	23 30	136

SW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
β Gruis ...	2.2	0 19	216	
α <i>Piscis Australis</i>	1.3	1 7	253	
α Phœnicis ...	2.4	2 19	226	
β Phœnicis ...	3.4	2 44	216	
γ Phœnicis ...	3.4	3 20	224	
θ Eridani ...	3.0	4 58	231	
α Horologii ...	3.8	6 9	227	
υ ⁴ Eridani ...	3.6	6 27	245	
α Columbæ ...	2.7	7 49	245	
β Columbæ ...	3.2	7 59	241	
τ Argus ...	2.8	8 10	206	
ν Argus ...	3.2	8 32	226	
π Argus ...	2.7	9 23	239	
σ Argus ...	3.3	9 24	226	
γ Argus ...	2.2	9 49	216	
ζ Argus ...	2.3	10 6	233	
λ Argus ...	2.2	11 2	226	
ψ Argus ...	3.6	11 32	232	
μ Argus ...	2.8	12 15	211	
δ Centauri ...	2.9	13 28	207	
γ Centauri ...	2.4	14 12	212	
ι Centauri ...	2.9	15 26	240	
ζ Centauri ...	3.1	15 33	217	
μ Centauri ...	3.3	15 45	228	
θ Centauri ...	2.3	16 12	241	
α Lupi ...	2.9	16 19	216	
η Centauri ...	2.7	16 30	228	
β Lupi ...	2.8	16 50	226	
κ Centauri ...	3.4	16 54	228	
ι ¹³ G Lupi ...	3.0	17 33	230	
α Aræ ...	3.0	18 52	209	
ε Scorp̄ii ...	2.4	18 57	244	
θ Scorp̄ii ...	2.0	19 28	226	
υ Scorp̄ii ...	2.8	19 34	238	
λ Scorp̄ii ...	1.7	19 37	239	
κ Scorp̄ii ...	2.5	19 43	234	
ι ¹ Scorp̄ii ...	3.1	19 46	232	
α Telescop̄ii ...	3.8	20 8	219	
η Sagittarīi ...	3.2	20 21	239	
ε Sagittarīi ...	2.0	20 31	244	
ζ <i>Sagittarīi</i> ...	3.7	21 11	253	
α Indi ...	3.2	22 12	215	
α Gruis ...	2.2	23 44	215	
γ Gruis ...	3.2	23 57	237	

NW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
λ Aquarii ...	3.8	0 32	300	
ι Ceti ...	3.8	2 3	297	
θ Ceti ...	3.8	3 6	299	
γ <i>Ceti</i> ...	3.7	3 24	337	
ζ <i>Ceti</i> ...	3.9	3 39	293	
δ Ceti ...	4.0	3 43	324	
ε Eridani ...	3.8	5 18	296	
δ Eridani ...	3.7	5 29	295	
β Eridani ...	2.9	6 38	308	
δ Orionis ...	2.5	6 39	323	
η Orionis ...	3.4	6 42	315	
ε Orionis ...	1.7	6 48	320	
β Orionis ...	0.3	6 56	299	
ζ Orionis ...	2.0	6 57	317	
ι Orionis ...	2.9	7 8	305	
κ Orionis ...	2.2	7 33	296	
30 Monocerotis ...	4.0	9 50	312	
α Hydræ ...	2.2	11 9	299	
β Virginis ...	3.8	12 38	333	
η Virginis ...	4.0	13 25	323	
γ Virginis ...	3.0	13 52	320	
ζ Virginis ...	3.4	14 41	323	
α <i>Virginis</i> ...	1.2	15 13	293	
β Libræ ...	2.7	17 0	297	
μ Serpentis ...	3.6	17 11	313	
λ Ophiuchi ...	3.9	17 19	333	
δ Ophiuchi ...	3.0	17 37	312	
ε Ophiuchi ...	3.3	17 45	309	
ζ <i>Ophiuchi</i> ...	2.7	18 24	294	
η Serpentis ...	3.4	19 42	314	
ν Ophiuchi ...	3.5	19 44	296	
δ <i>Aquilæ</i> ...	3.4	20 5	337	
λ <i>Aquilæ</i> ...	3.6	20 36	308	
θ <i>Aquilæ</i> ...	3.4	21 22	320	
ε Aquarii ...	3.8	22 32	296	
β Aquarii ...	3.1	23 4	306	
α Aquarii ...	3.2	23 15	321	
γ Aquarii ...	4.0	23 36	318	
γ <i>Piscium</i> ...	3.9	23 59	336	

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Ceti ...	4.0	1 33	32
ε Eridani ...	3.8	1 42	62
δ Eridani ...	3.7	1 51	63
β Orionis ...	0.3	3 29	58
β Eridani ...	2.9	3 33	50
ι Orionis ...	2.9	3 57	52
κ Orionis ...	2.2	3 57	62
η Orionis ...	3.4	4 3	42
ε Orionis ...	1.7	4 22	37
ζ Orionis ...	2.0	4 22	40
δ Orionis ...	2.5	4 23	34
30 Monocerotis ...	4.0	6 59	45
α Hydræ ...	2.2	7 42	58
δ Crateris ...	3.8	9 17	73
β Virginis ...	3.8	11 3	22
η Virginis ...	4.0	11 13	33
γ Virginis ...	3.0	11 30	36
α Virginis ...	1.2	11 31	64
ζ Virginis ...	3.4	12 28	33
β Libræ ...	2.7	13 28	60
μ Serpentis ...	3.6	14 24	44
ζ Ophiuchi ...	2.7	14 44	64
δ Ophiuchi ...	3.0	14 47	45
ε Ophiuchi ...	3.3	14 47	48
λ Ophiuchi ...	3.9	15 44	22
ν Ophiuchi ...	3.5	16 8	62
η Serpentis ...	3.4	16 57	43
λ Aquilæ ...	3.6	17 32	50
ε Aquarii ...	3.8	18 56	62
θ Aquilæ ...	3.4	18 58	37
β Aquarii ...	3.1	19 53	52
α Aquarii ...	3.2	20 55	35
γ Aquarii ...	4.0	21 3	39
λ Aquarii ...	3.8	21 7	58
ι Ceti ...	3.8	22 29	61
θ Ceti ...	3.8	23 37	59
ζ Ceti ...	3.9	23 57	64

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani ...	3.0	0 48	127
φ Eridani ...	3.8	0 54	155
υ ⁴ Eridani ...	3.6	2 1	114
α Horologii ...	3.8	2 8	131
α Columbæ ...	2.7	3 23	114
β Columbæ ...	3.2	3 35	117
ν Argus ...	3.2	4 34	132
π Argus ...	2.7	5 2	120
τ Argus ...	2.8	5 18	151
σ Argus ...	3.3	5 26	132
ζ Argus ...	2.3	5 53	125
γ Argus ...	2.2	6 19	142
λ Argus ...	2.2	7 4	132
ψ Argus ...	3.6	7 20	126
μ Argus ...	2.8	9 4	146
δ Centauri ...	2.9	10 32	150
γ Centauri ...	2.4	10 55	145
ι Centauri ...	2.9	11 4	118
μ Centauri ...	3.3	11 41	130
θ Centauri ...	2.3	11 49	118
ζ Centauri ...	3.1	12 1	141
η Centauri ...	2.7	12 26	130
α Lupi ...	2.9	12 47	141
κ Centauri ...	3.4	12 50	130
β Lupi ...	2.8	12 51	132
113 G Lupi ...	3.0	13 24	128
ζ Lupi ...	3.5	13 45	155
ε Scorpis ...	2.4	14 31	114
υ Scorpis ...	2.8	15 13	120
λ Scorpis ...	1.7	15 16	120
κ Scorpis ...	2.5	15 28	124
θ Scorpis ...	2.0	15 29	132
ι ¹ Scorpis ...	3.1	15 34	126
α Aræ ...	3.0	15 50	149
η Sagittarii ...	3.2	16 0	119
ε Sagittarii ...	2.0	16 5	114
α Telescopii ...	3.8	16 29	139
ζ Sagittarii ...	3.7	16 42	106
α Indi ...	3.2	18 46	143
γ Gruis ...	3.2	19 38	121
α Gruis ...	2.2	20 16	142
β Gruis ...	2.2	20 51	142
ε Gruis ...	3.7	21 22	154
α Phœnicis ...	2.4	22 20	132
β Phœnicis ...	3.4	23 14	142
γ Phœnicis ...	3.4	23 25	134

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Gruis ...	3.2	0 0	239
ε Gruis ...	3.7	0 6	206
β Gruis ...	2.2	0 25	218
α <i>Piscis Australis</i>	1.3	1 8	254
α Phœnicis ...	2.4	2 24	228
β Phœnicis ...	3.4	2 50	218
γ Phœnicis ...	3.4	3 25	226
φ Eridani ...	3.8	3 34	205
θ Eridani ...	3.0	5 2	233
α Horologii ...	3.8	6 14	229
υ ⁴ Eridani ...	3.6	6 29	246
α <i>Columbæ</i> ...	2.7	7 51	246
β <i>Columbæ</i> ...	3.2	8 1	243
τ Argus ...	2.8	8 18	209
ν Argus ...	3.2	8 36	228
π Argus ...	2.7	9 26	240
σ Argus ...	3.3	9 28	228
γ Argus ...	2.2	9 55	218
ζ Argus ...	2.3	10 9	235
λ Argus ...	2.2	11 6	228
ψ Argus ...	3.6	11 36	234
μ Argus ...	2.8	12 22	214
δ Centauri ...	2.9	13 36	210
γ Centauri ...	2.4	14 19	215
ι Centauri ...	2.9	15 28	242
ζ Centauri ...	3.1	15 39	219
μ Centauri ...	3.3	15 49	230
θ Centauri ...	2.3	16 15	242
α Lupi ...	2.9	16 25	219
ζ Lupi ...	3.5	16 27	205
η Centauri ...	2.7	16 34	230
β Lupi ...	2.8	16 55	228
κ Centauri ...	3.4	16 58	230
ι ¹³ G Lupi ...	3.0	17 36	232
ε <i>Scorpii</i> ...	2.4	18 59	246
α Aræ ...	3.0	19 0	211
θ <i>Scorpii</i> ...	2.0	19 33	228
υ <i>Scorpii</i> ...	2.8	19 37	240
λ <i>Scorpii</i> ...	1.7	19 40	240
κ <i>Scorpii</i> ...	2.5	29 46	236
ι ¹ <i>Scorpii</i> ...	3.1	19 50	234
α <i>Telescopii</i> ...	3.8	20 13	221
η <i>Sagittarii</i> ...	3.2	20 24	241
ε <i>Sagittarii</i> ...	2.0	20 33	246
ζ <i>Sagittarii</i> ...	3.7	21 12	254
α Indi ...	3.2	22 18	217
α Gruis ...	2.2	23 50	218

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
λ Aquarii ...	3.8	0 29	302
ι Ceti ...	3.8	2 1	299
θ Ceti ...	3.8	3 3	301
ζ Ceti ...	3.9	3 37	296
δ Ceti ...	4.0	3 37	328
ε Eridani ...	3.8	5 16	298
δ Eridani ...	3.7	5 27	297
δ Orionis ...	2.5	6 33	326
β Eridani ...	2.9	6 35	310
η Orionis ...	3.4	6 37	318
ε Orionis ...	1.7	6 42	323
ζ Orionis ...	2.0	6 52	320
β Orionis ...	0.3	6 53	302
ι Orionis ...	2.9	7 5	308
κ Orionis ...	2.2	7 31	298
30 Monocerotis ...	4.0	9 45	315
α <i>Hydræ</i> ...	2.2	11 6	302
β <i>Virginis</i> ...	3.8	12 29	338
η <i>Virginis</i> ...	4.0	13 19	327
γ <i>Virginis</i> ...	3.0	13 46	324
ζ <i>Virginis</i> ...	3.4	14 34	327
α <i>Virginis</i> ...	1.2	15 11	296
β <i>Libræ</i> ...	2.7	16 58	300
μ <i>Serpentis</i> ...	3.6	17 6	316
λ <i>Ophiuchi</i> ...	3.9	17 10	338
δ <i>Ophiuchi</i> ...	3.0	17 33	315
ε <i>Ophiuchi</i> ...	3.3	17 41	312
ζ <i>Ophiuchi</i> ...	2.7	18 22	296
η <i>Serpentis</i> ...	3.4	19 37	317
ν <i>Ophiuchi</i> ...	3.5	19 42	298
λ <i>Aquilæ</i> ...	3.6	20 32	310
θ <i>Aquilæ</i> ...	3.4	21 16	323
ε <i>Aquarii</i> ...	3.8	22 30	298
β <i>Aquarii</i> ...	3.1	23 1	308
α <i>Aquarii</i> ...	3.2	23 9	325
γ <i>Aquarii</i> ...	4.0	23 31	321

NE. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
δ Ceti ...	4.0	1 41	28
ε Eridani ...	3.8	1 45	60
δ Eridani ...	3.7	1 54	61
β Orionis ...	0.3	3 32	56
β Eridani ...	2.9	3 37	47
κ Orionis ...	2.2	4 0	60
ι Orionis ...	2.9	4 1	50
η Orionis ...	3.4	4 8	38
ζ Orionis ...	2.0	4 28	36
ε Orionis ...	1.7	4 29	33
δ Orionis ...	2.5	4 31	30
30 Monocerotis ...	4.0	7 4	42
α Hydræ ...	2.2	7 45	56
δ Crateris ...	3.8	9 18	71
η Virginis ...	4.0	11 20	29
α Virginis ...	1.2	11 33	62
γ Virginis ...	3.0	11 36	32
ζ Virginis ...	3.4	12 35	29
β Libræ ...	2.7	13 31	58
μ Serpentis ...	3.6	14 29	41
ζ Ophiuchi ...	2.7	14 46	62
ε Ophiuchi ...	3.3	14 51	45
δ Ophiuchi ...	3.0	14 52	42
ν Ophiuchi ...	3.5	16 10	60
η Serpentis ...	3.4	17 3	40
λ Aquilæ ...	3.6	17 36	47
ε Aquarii ...	3.8	18 58	60
θ Aquilæ ...	3.4	19 5	33
β Aquarii ...	3.1	19 57	49
α Aquarii ...	3.2	21 2	31
γ Aquarii ...	4.0	21 9	35
λ Aquarii ...	3.8	21 10	55
ι Ceti ...	3.8	22 32	59
θ Ceti ...	3.8	23 40	57
ζ Ceti ...	3.9	23 59	62

SE. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
φ Eridani ...	3.8	0 45	152
θ Eridani ...	3.0	0 45	125
α Horologii ...	3.8	2 4	129
β Columbæ ...	3.2	3 32	115
ν Argus ...	3.2	4 30	131
α Argus ...	0.9	4 59	154
π Argus ...	2.7	4 59	118
τ Argus ...	2.8	5 10	148
σ Argus ...	3.3	5 22	131
ζ Argus ...	2.3	5 50	124
γ Argus ...	2.2	6 14	140
λ Argus ...	2.2	7 0	131
ψ Argus ...	3.6	7 17	124
μ Argus ...	2.8	8 57	144
δ Centauri ...	2.9	10 25	147
γ Centauri ...	2.4	10 49	143
ι Centauri ...	2.9	11 1	117
μ Centauri ...	3.3	11 38	128
θ Centauri ...	2.3	11 46	116
ζ Centauri ...	3.1	11 56	139
ε Centauri ...	2.6	12 15	155
η Centauri ...	2.7	12 22	128
α Lupi ...	2.9	12 42	139
κ Centauri ...	3.4	12 46	128
β Lupi ...	2.8	12 47	130
113 G Lupi ...	3.0	13 21	126
ζ Lupi ...	3.5	13 37	152
υ Scorpæ ...	2.8	15 10	118
λ Scorpæ ...	1.7	15 13	118
θ Scorpæ ...	2.0	15 25	130
κ Scorpæ ...	2.5	15 25	122
ι ¹ Scorpæ ...	3.1	15 31	124
α Aræ ...	3.0	15 43	146
η Sagittarii ...	3.2	15 57	118
α Telescopii ...	3.8	16 24	137
ζ Sagittarii ...	3.7	16 41	104
α Indi ...	3.2	18 40	141
γ Gruis ...	3.2	19 35	120
α Gruis ...	2.2	20 11	140
β Gruis ...	2.2	20 45	140
ε Gruis ...	3.7	21 14	151
α Phœnicis ...	2.4	22 16	130
β Phœnicis ...	3.4	23 9	140
γ Phœnicis ...	3.4	23 21	132

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
γ Gruis ...	3.2	0 3	240
ε Gruis ...	3.7	0 14	209
β Gruis ...	2.2	0 31	220
α <i>Piscis Australis</i>	1.3	1 9	256
α Phœnicis ...	2.4	2 28	230
β Phœnicis ...	3.4	2 55	220
γ Phœnicis ...	3.4	3 29	228
φ Eridani ...	3.8	3 43	208
θ Eridani ...	3.0	5 5	235
α Horologii ...	3.8	6 18	231
α Argus ...	0.9	7 45	206
β Columbæ ...	3.2	8 4	245
τ Argus ...	2.8	8 26	212
ν Argus ...	3.2	8 40	229
π Argus ...	2.7	9 29	242
σ Argus ...	3.3	9 32	229
γ Argus ...	2.2	10 0	220
ζ Argus ...	2.3	10 12	236
λ Argus ...	2.2	11 10	229
ψ Argus ...	3.6	11 39	236
μ Argus ...	2.8	12 29	216
δ Centauri ...	2.9	13 43	213
γ Centauri ...	2.4	14 25	217
ε Centauri ...	2.6	14 55	205
ι Centauri ...	2.9	15 31	243
ζ Centauri ...	3.1	15 44	221
μ Centauri ...	3.3	15 52	232
θ Centauri ...	2.3	16 18	244
α Lupi ...	2.9	16 30	221
ζ Lupi ...	3.5	16 35	208
η Centauri ...	2.7	16 38	232
β Lupi ...	2.8	16 59	230
κ Centauri ...	3.4	17 2	232
ι 13G Lupi ...	3.0	17 39	234
α Aræ ...	3.0	19 7	214
θ Scorp̄ii ...	2.0	19 37	230
υ Scorp̄ii ...	2.8	19 40	242
λ Scorp̄ii ...	1.7	19 43	242
κ Scorp̄ii ...	2.5	19 49	238
ι ¹ Scorp̄ii ...	3.1	19 53	236
α Telescop̄ii ...	3.8	20 18	223
η Sagittarii ...	3.2	20 27	242
ζ <i>Sagittarii</i> ...	3.7	21 13	256
α Indi ...	3.2	22 24	219
α Gruis ...	2.2	23 55	220

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
λ Aquarii ...	3.8	0 26	305
ι Ceti ...	3.8	1 58	301
θ Ceti ...	3.8	3 0	303
δ Ceti ...	4.0	3 29	332
ζ Ceti ...	3.9	3 35	298
ε Eridani ...	3.8	5 13	300
δ Eridani ...	3.7	5 24	299
δ Orionis ...	2.5	6 25	330
β Eridani ...	2.9	6 31	313
η Orionis ...	3.4	6 32	322
ε Orionis ...	1.7	6 35	327
ζ Orionis ...	2.0	6 46	324
β Orionis ...	0.3	6 50	304
ι Orionis ...	2.9	7 1	310
κ Orionis ...	2.2	7 28	300
30 Monocerotis ...	4.0	9 40	318
α Hydræ ...	2.2	11 3	304
η Virginis ...	4.0	13 12	331
γ Virginis ...	3.0	13 40	328
ζ Virginis ...	3.4	14 27	331
α Virginis ...	1.2	15 9	298
β Libræ ...	2.7	16 55	302
μ Serpentis ...	3.6	17 1	319
δ Ophiuchi ...	3.0	17 28	318
ε Ophiuchi ...	3.3	17 37	315
ζ Ophiuchi ...	2.7	18 20	298
η Serpentis ...	3.4	19 31	320
ν Ophiuchi ...	3.5	19 40	300
λ Aquilæ ...	3.6	20 28	313
θ Aquilæ ...	3.4	21 9	327
ε Aquarii ...	3.8	22 28	300
β Aquarii ...	3.1	22 57	311
α Aquarii ...	3.2	23 2	329
γ Aquarii ...	4.0	23 25	325

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ζ Ceti ...	3·9	0 2	60
ε Eridani ...	3·8	1 48	57
δ Ceti ...	4·0	1 50	23
δ Eridani ...	3·7	1 57	58
β Orionis ...	0·3	3 35	53
β Eridani ...	2·9	3 42	44
κ Orionis ...	2·2	4 3	57
ι Orionis ...	2·9	4 5	47
η Orionis ...	3·4	4 14	34
ζ Orionis ...	2·0	4 35	32
ε Orionis ...	1·7	4 36	29
δ Orionis ...	2·5	4 39	25
30 Monocerotis ...	4·0	7 9	39
α Hydræ ...	2·2	7 48	53
δ Crateris ...	3·8	9 20	69
η Virginis ...	4·0	11 29	24
α Virginis ...	1·2	11 36	60
γ Virginis ...	3·0	11 44	28
ζ Virginis ...	3·4	12 44	24
β Libræ ...	2·7	13 34	56
μ Serpentis ...	3·6	14 35	37
ζ Ophiuchi ...	2·7	14 49	59
ε Ophiuchi ...	3·3	14 56	42
δ Ophiuchi ...	3·0	14 58	38
ν Ophiuchi ...	3·5	16 13	58
η Serpentis ...	3·4	17 9	36
λ Aquilæ ...	3·6	17 41	44
α ² Capricorni ...	3·8	18 23	65
ε Aquarii ...	3·8	19 1	58
θ Aquilæ ...	3·4	19 12	29
β Aquarii ...	3·1	20 1	47
α Aquarii ...	3·2	21 10	27
λ Aquarii ...	3·8	21 13	53
γ Aquarii ...	4·0	21 16	31
ι Ceti ...	3·8	22 35	56
θ Ceti ...	3·8	23 43	54

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
φ Eridani ...	3·8	0 37	149
θ Eridani ...	3·0	0 42	124
α Horologii ...	3·8	2 1	128
ν Argus ...	3·2	4 26	129
α Argus ...	0·9	4 49	151
π Argus ...	2·7	4 57	116
τ Argus ...	2·8	5 3	146
σ Argus ...	3·3	5 18	129
ζ Argus ...	2·3	5 47	122
γ Argus ...	2·2	6 8	138
λ Argus ...	2·2	6 56	129
ψ Argus ...	3·6	7 14	123
μ Argus ...	2·8	8 51	142
δ Centauri ...	2·9	10 18	145
γ Centauri ...	2·4	10 43	141
ι Centauri ...	2·9	10 59	115
μ Centauri ...	3·3	11 34	127
θ Centauri ...	2·3	11 44	114
ζ Centauri ...	3·1	11 51	137
ε Centauri ...	2·6	12 5	153
η Centauri ...	2·7	12 19	126
α Lupi ...	2·9	12 37	137
β Lupi ...	2·8	12 43	128
κ Centauri ...	3·4	12 43	126
ι 13G Lupi ...	3·0	13 17	124
ζ Lupi ...	3·5	13 29	149
υ Scorpæ ...	2·8	15 8	117
λ Scorpæ ...	1·7	15 11	116
θ Scorpæ ...	2·0	15 22	129
κ Scorpæ ...	2·5	15 22	120
ι ¹ Scorpæ ...	3·1	15 28	123
α Aræ ...	3·0	15 37	144
η Sagittarii ...	3·2	15 55	116
α Telescopii ...	3·8	16 19	135
ζ Sagittarii ...	3·7	16 40	102
α Indi ...	3·2	18 35	139
γ Gruis ...	3·2	19 32	118
α Gruis ...	2·2	20 5	138
β Gruis ...	2·2	20 40	138
ε Gruis ...	3·7	21 6	149
α Phœnicis ...	2·4	22 12	128
β Phœnicis ...	3·4	23 4	138
γ Phœnicis ...	3·4	23 17	130

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Gruis	2.2	0 1	222
γ Gruis	3.2	0 6	242
ϵ Gruis	3.7	0 22	211
β Gruis	2.2	0 36	222
α <i>Piscis Australis</i>	1.3	1 10	258
α Phœnicis	2.4	2 32	232
β Phœnicis	3.4	3 0	222
γ Phœnicis	3.4	3 33	230
φ Eridani	3.8	3 51	211
θ Eridani	3.0	5 8	236
α Horologii	3.8	6 21	232
α Argus	0.9	7 55	209
τ Argus	2.8	8 33	214
ν Argus	3.2	8 44	231
π Argus	2.7	9 31	244
σ Argus	3.3	9 36	231
γ Argus	2.2	10 6	222
ζ Argus	2.3	10 15	238
λ Argus	2.2	11 14	231
ψ Argus	3.6	11 42	237
μ Argus	2.8	12 35	218
δ Centauri	2.9	13 50	215
γ Centauri	2.4	14 31	219
ϵ Centauri	2.6	15 5	207
ι Centauri	2.9	15 33	245
ζ Centauri	3.1	15 49	223
μ Centauri	3.3	15 56	233
θ Centauri	2.3	16 20	246
α Lupi	2.9	16 35	223
η Centauri	2.7	16 41	234
ζ Lupi	3.5	16 43	211
β Lupi	2.8	17 3	232
κ Centauri	3.4	17 5	234
ι 3G Lupi	3.0	17 43	236
α Aræ	3.0	19 13	216
θ Scorpii	2.0	19 40	231
ν Scorpii	2.8	19 42	243
λ Scorpii	1.7	19 45	244
κ Scorpii	2.5	19 52	240
ι 1 Scorpii	3.1	19 56	237
α Telescopii	3.8	20 23	225
η Sagittarii	3.2	20 29	244
ζ Sagittarii	3.7	21 14	258
α Indi	3.2	22 29	221

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
λ Aquarii	3.8	0 23	307
ι Ceti	3.8	1 55	304
θ Ceti	3.8	2 57	306
δ Ceti	4.0	3 20	337
ζ Ceti	3.9	3 32	300
ϵ Eridani	3.8	5 10	303
δ Eridani	3.7	5 21	302
δ Orionis	2.5	6 17	335
β Eridani	2.9	6 26	316
η Orionis	3.4	6 26	326
ϵ Orionis	1.7	6 28	331
ζ Orionis	2.0	6 39	328
β Orionis	0.3	6 47	307
ι Orionis	2.9	6 57	313
κ Orionis	2.2	7 25	303
γ 30 Monocerotis	4.0	9 35	321
α Hydræ	2.2	11 0	307
η Virginis	4.0	13 3	336
γ Virginis	3.0	13 32	332
ζ Virginis	3.4	14 18	336
α Virginis	1.2	15 6	300
β Libræ	2.7	16 52	304
μ Serpentis	3.6	16 55	323
δ Ophiuchi	3.0	17 22	322
ϵ Ophiuchi	3.3	17 32	318
ζ Ophiuchi	2.7	18 17	301
η Serpentis	3.4	19 25	324
ν Ophiuchi	3.5	19 37	302
λ Aquilæ	3.6	20 23	316
θ Aquilæ	3.4	21 2	331
α 2 Capricorni	3.8	22 5	295
ϵ Aquarii	3.8	22 25	302
β Aquarii	3.1	22 53	313
α Aquarii	3.2	22 54	333
γ Aquarii	4.0	23 18	329

NE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
ζ Ceti ...	3·9	0 5	57	
ε Eridani ...	3·8	1 51	55	
δ Eridani ...	3·7	2 0	56	
γ Eridani ...	3·2	2 2	66	
β Orionis ...	0·3	3 38	51	
β Eridani ...	2·9	3 47	41	
κ Orionis ...	2·2	4 6	55	
ι Orionis ...	2·9	4 9	44	
η Orionis ...	3·4	4 21	30	
ζ Orionis ...	2·0	4 43	28	
ε Orionis ...	1·7	4 45	24	
30 Monocerotis ...	4·0	7 15	35	
α Hydræ ...	2·2	7 51	51	
δ Crateris ...	3·8	9 22	67	
α Virginis ...	1·2	11 39	57	
γ Virginis ...	3·0	11 53	23	
β Libræ ...	2·7	13 37	53	
μ Serpentis ...	3·6	14 41	33	
ζ Ophiuchi ...	2·7	14 52	57	
ε Ophiuchi ...	3·3	15 1	38	
δ Ophiuchi ...	3·0	15 4	35	
ν Ophiuchi ...	3·5	16 16	55	
η Serpentis ...	3·4	17 15	32	
λ Aquilæ ...	3·6	17 46	40	
α ² Capricorni ...	3·8	18 25	63	
ε Aquarii ...	3·8	19 4	55	
θ Aquilæ ...	3·4	19 21	24	
β Aquarii ...	3·1	20 6	44	
λ Aquarii ...	3·8	21 17	50	
α Aquarii ...	3·2	21 20	22	
γ Aquarii ...	4·0	21 24	27	
ι Ceti ...	3·8	22 38	54	
θ Ceti ...	3·8	23 46	52	

SE. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
φ Eridani ...	3·8	0 29	147	
θ Eridani ...	3·0	0 39	122	
α Horologii ...	3·8	1 58	126	
α Doradus ...	3·5	3 11	157	
ν Argus ...	3·2	4 23	127	
α Argus ...	0·9	4 41	149	
π Argus ...	2·7	4 55	115	
τ Argus ...	2·8	4 57	144	
σ Argus ...	3·3	5 15	127	
ζ Argus ...	2·3	5 44	120	
γ Argus ...	2·2	6 3	136	
λ Argus ...	2·2	6 53	127	
ψ Argus ...	3·6	7 11	121	
δ Argus ...	2·0	7 14	154	
κ Argus ...	2·6	7 55	155	
μ Argus ...	2·8	8 46	140	
δ Centauri ...	2·9	10 11	143	
γ Centauri ...	2·4	10 38	139	
μ Centauri ...	3·3	11 31	125	
ζ Centauri ...	3·1	11 46	135	
ε Centauri ...	2·6	11 57	150	
η Centauri ...	2·7	12 16	124	
α Lupi ...	2·9	12 32	135	
β Lupi ...	2·8	12 40	127	
κ Centauri ...	3·4	12 40	124	
113G Lupi ...	3·0	13 14	123	
ζ Lupi ...	3·5	13 21	147	
ν Scorpæ ...	2·8	15 6	115	
λ Scorpæ ...	1·7	15 9	115	
θ Scorpæ ...	2·0	15 18	127	
κ Scorpæ ...	2·5	15 19	119	
ι Scorpæ ...	3·1	15 25	121	
α Aræ ...	3·0	15 31	142	
η Sagittariæ ...	3·2	15 53	114	
α Telescopii ...	3·8	16 14	133	
ζ Sagittariæ ...	3·7	16 39	101	
α Indi ...	3·2	18 30	137	
γ Gruis ...	3·2	19 30	116	
α Gruis ...	2·2	20 0	136	
β Gruis ...	2·2	20 35	136	
ε Gruis ...	3·7	20 58	146	
α Phœnicis ...	2·4	22 9	127	
β Phœnicis ...	3·4	22 59	136	
γ Phœnicis ...	3·4	23 14	129	

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Gruis ...	2.2	0 6	224
γ Gruis ...	3.2	0 8	244
ε Gruis ...	3.7	0 30	214
β Gruis ...	2.2	0 41	224
α <i>Piscis Australis</i>	1.3	1 11	259
α Phœnicis ...	2.4	2 35	233
β Phœnicis ...	3.4	3 5	224
γ Phœnicis ...	3.4	3 36	231
φ Eridani ...	3.8	3 59	213
θ Eridani ...	3.0	5 11	238
α <i>Doradus</i> ...	3.5	5 53	203
α Horologii ...	3.8	6 24	234
α Argus ...	0.9	8 3	211
τ Argus ...	2.8	8 39	216
ν Argus ...	3.2	8 47	233
π Argus ...	2.7	9 33	245
σ Argus ...	3.3	9 39	233
δ Argus ...	2.0	10 10	206
γ Argus ...	2.2	10 11	224
ζ Argus ...	2.3	10 18	240
κ Argus ...	2.6	10 45	205
λ Argus ...	2.2	11 17	233
ψ Argus ...	3.6	11 45	239
μ Argus ...	2.8	12 40	220
δ Centauri ...	2.9	13 57	217
γ Centauri ...	2.4	14 36	221
ε Centauri ...	2.6	15 13	210
ζ Centauri ...	3.1	15 54	225
μ Centauri ...	3.3	15 59	235
α Lupi ...	2.9	16 40	225
η Centauri ...	2.7	16 44	236
ζ Lupi ...	3.5	16 51	213
β Lupi ...	2.8	17 6	233
κ Centauri ...	3.4	17 8	236
ι 13G Lupi ...	3.0	17 46	237
α Aræ ...	3.0	19 19	218
υ Scorpïi ...	2.8	19 44	245
θ Scorpïi ...	2.0	19 44	233
λ Scorpïi ...	1.7	19 47	245
κ Scorpïi ...	2.5	19 55	241
ι ¹ Scorpïi ...	3.1	19 59	239
α Telescopïi ...	3.8	20 28	227
η <i>Sagittariï</i> ...	3.2	20 31	246
ζ <i>Sagittariï</i> ...	3.7	21 15	259
α Indi ...	3.2	22 34	223

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
λ Aquarii ...	3.8	0 19	310
ι Ceti ...	3.8	1 52	306
θ Ceti ...	3.8	2 54	308
ζ Ceti ...	3.9	3 29	303
ε Eridani ...	3.8	5 7	305
δ Eridani ...	3.7	5 18	304
γ <i>Eridani</i> ...	3.2	5 46	294
ε <i>Orionis</i> ...	1.7	6 19	336
η <i>Orionis</i> ...	3.4	6 19	330
β Eridani ...	2.9	6 21	319
ζ <i>Orionis</i> ...	2.0	6 31	332
β <i>Orionis</i> ...	0.3	6 44	309
ι <i>Orionis</i> ...	2.9	6 53	316
κ <i>Orionis</i> ...	2.2	7 22	305
30 <i>Monocerotis</i> ...	4.0	9 29	325
α <i>Hydræ</i> ...	2.2	10 57	309
δ <i>Crateris</i> ...	3.8	13 8	293
γ <i>Virginis</i> ...	3.0	13 23	337
α <i>Virginis</i> ...	1.2	15 3	303
β <i>Libræ</i> ...	2.7	16 49	307
μ <i>Serpentis</i> ...	3.6	16 49	327
δ <i>Ophiuchi</i> ...	3.0	17 16	325
ε <i>Ophiuchi</i> ...	3.3	17 27	322
ζ <i>Ophiuchi</i> ...	2.7	18 14	303
η <i>Serpentis</i> ...	3.4	19 19	328
ν <i>Ophiuchi</i> ...	3.5	19 34	305
λ <i>Aquilæ</i> ...	3.6	20 18	320
θ <i>Aquilæ</i> ...	3.4	20 53	336
α ² <i>Capricorni</i> ...	3.8	22 3	297
ε <i>Aquarii</i> ...	3.8	22 22	305
α <i>Aquarii</i> ...	3.2	22 44	338
β <i>Aquarii</i> ...	3.1	22 48	316
γ <i>Aquarii</i> ...	4.0	23 10	333

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 8	55
ε Eridani ...	3.8	1 54	52
δ Eridani ...	3.7	2 3	53
γ Eridani ...	3.2	2 4	63
53 Eridani ...	4.0	2 42	65
β Orionis ...	0.3	3 42	48
β Eridani ...	2.9	3 52	38
κ Orionis ...	2.2	4 9	52
ι Orionis ...	2.9	4 15	40
η Orionis ...	3.4	4 29	26
ζ Orionis ...	2.0	4 52	23
30 Monocerotis ...	4.0	7 22	31
α Hydræ ...	2.2	7 55	48
δ Crateris ...	3.8	9 24	65
α Virginis ...	1.2	11 42	55
β Libræ ...	2.7	13 41	51
μ Serpentis ...	3.6	14 48	29
ζ Ophiuchi ...	2.7	14 55	54
ε Ophiuchi ...	3.3	15 7	35
δ Ophiuchi ...	3.0	15 11	31
ν Ophiuchi ...	3.5	16 19	53
η Serpentis ...	3.4	17 23	28
λ Aquilæ ...	3.6	17 52	37
β Capricorni ...	3.3	18 23	66
α ² Capricorni ...	3.8	18 27	61
ε Aquarii ...	3.8	19 7	53
β Aquarii ...	3.1	20 11	40
λ Aquarii ...	3.8	21 21	47
γ Aquarii ...	4.0	21 34	22
ι Ceti ...	3.8	22 42	51
θ Ceti ...	3.8	23 50	49

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
φ Eridani ...	3.8	0 22	145
θ Eridani ...	3.0	0 36	120
α Horologii ...	3.8	1 55	124
α Doradus ...	3.5	3 1	154
ν Argus ...	3.2	4 19	125
α Argus ...	0.9	4 34	146
τ Argus ...	2.8	4 51	141
σ Argus ...	3.3	5 11	125
ζ Argus ...	2.3	5 41	119
γ Argus ...	2.2	5 59	154
λ Argus ...	2.2	6 49	125
δ Argus ...	2.0	7 5	151
ψ Argus ...	3.6	7 8	119
κ Argus ...	2.6	7 45	152
μ Argus ...	2.8	8 40	138
δ Centauri ...	2.9	10 5	141
γ Centauri ...	2.4	10 33	137
μ Centauri ...	3.3	11 28	123
ζ Centauri ...	3.1	11 41	133
ε Centauri ...	2.6	11 49	147
η Centauri ...	2.7	12 13	123
α Lupi ...	2.9	12 27	133
β Lupi ...	2.8	12 37	125
κ Centauri ...	3.4	12 37	123
113G Lupi ...	3.0	13 11	121
ζ Lupi ...	3.5	13 14	144
θ Scorpæ ...	2.0	15 15	125
κ Scorpæ ...	2.5	15 17	117
ι ¹ Scorpæ ...	3.1	15 22	119
α Aræ ...	3.0	15 25	140
ζ Aræ ...	3.1	15 26	156
β Aræ ...	2.8	15 47	154
α Telescopii ...	3.8	16 10	131
ζ Sagittarii ...	3.7	16 38	99
α Indi ...	3.2	18 25	135
γ Gruis ...	3.2	19 28	115
α Gruis ...	2.2	19 55	134
β Gruis ...	2.2	20 30	134
ε Gruis ...	3.7	20 51	144
α Phœnicis ...	2.4	22 6	125
β Phœnicis ...	3.4	22 54	134
γ Phœnicis ...	3.4	23 10	127

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Gruis ...	3.2	0 10	245
α Gruis ...	2.2	0 11	226
ε Gruis ...	3.7	0 37	216
β Gruis ...	2.2	0 46	226
α <i>Piscis Australis</i>	1.3	1 12	261
α Phœnicis ...	2.4	2 38	235
β Phœnicis ...	3.4	3 10	226
γ Phœnicis ...	3.4	3 40	233
φ Eridani ...	3.8	4 6	215
θ Eridani ...	3.0	5 14	240
α Doradus ...	3.5	6 3	206
α Horologii ...	3.8	6 27	236
α Argus ...	0.9	8 10	214
τ Argus ...	2.8	8 45	219
ν Argus ...	3.2	8 51	235
σ Argus ...	3.3	9 43	235
γ Argus ...	2.2	10 15	226
δ Argus ...	2.0	10 19	209
ζ Argus ...	2.3	10 21	241
κ Argus ...	2.6	10 55	208
λ Argus ...	2.2	11 21	235
ψ Argus ...	3.6	11 48	241
μ Argus ...	2.8	12 46	222
δ Centauri ...	2.9	14 3	219
γ Centauri ...	2.4	14 41	223
μ Centauri ...	3.3	15 2	237
ε Centauri ...	2.6	15 21	213
ζ Centauri ...	3.1	15 59	227
α Lupi ...	2.9	16 45	227
η Centauri ...	2.7	16 47	237
ζ Lupi ...	3.5	16 58	216
β Lupi ...	2.8	17 9	235
κ Centauri ...	3.4	17 11	237
ι ¹³ G Lupi ...	3.0	17 49	239
ζ Aræ ...	3.1	18 18	204
β Aræ ...	2.8	18 49	206
α Aræ ...	3.0	19 25	220
θ Scorpïi ...	2.0	19 47	235
κ Scorpïi ...	2.5	19 57	243
ι ¹ Scorpïi ...	3.1	20 2	241
α Telescopïi ...	3.8	20 32	229
ζ <i>Sagittarii</i> ...	3.7	21 16	261
α Indi ...	3.2	22 39	225

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
λ Aquarii ...	3.8	0 15	313
ι Ceti ...	3.8	1 48	309
θ Ceti ...	3.8	2 50	311
ζ Ceti ...	3.9	3 26	305
ε Eridani ...	3.8	5 4	308
δ Eridani ...	3.7	5 15	307
γ Eridani ...	3.2	5 44	297
η Orionis ...	3.4	6 11	334
β Eridani ...	2.9	6 16	322
ζ <i>Orionis</i> ...	2.0	6 22	337
53 Eridani ...	4.0	6 26	295
β Orionis ...	0.3	6 40	312
ι Orionis ...	2.9	6 47	320
κ Orionis ...	2.2	7 19	308
30 Monocerotis ...	4.0	9 22	329
α Hydræ ...	2.2	10 53	312
δ Crateris ...	3.8	13 6	295
α Virginis ...	1.2	15 0	305
μ Serpentis ...	3.6	16 42	331
β Libræ ...	2.7	16 45	309
δ Ophiuchi ...	3.0	17 9	329
ε Ophiuchi ...	3.3	17 21	325
ζ Ophiuchi ...	2.7	18 11	306
η Serpentis ...	3.4	19 11	332
ν Ophiuchi ...	3.5	19 31	307
λ Aquilæ ...	3.6	20 12	323
α ² Capricorni ...	3.8	22 1	299
β <i>Capricorni</i> ...	3.3	22 9	294
ε Aquarii ...	3.8	22 19	307
β Aquarii ...	3.1	22 43	320
γ <i>Aquarii</i> ...	4.0	23 0	338

LATITUDE 31° SOUTH.

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 11	53
ε Eridani ...	3.8	1 58	50
δ Eridani ...	3.7	2 7	51
γ Eridani ...	3.2	2 7	61
53 Eridani ...	4.0	2 44	63
β Orionis ...	0.3	3 47	45
β Eridani ...	2.9	3 59	34
κ Orionis ...	2.2	4 13	50
ι Orionis ...	2.9	4 21	37
ρ Argus ...	2.9	5 52	85
30 Monocerotis ...	4.0	7 31	26
α Hydræ ...	2.2	8 0	45
ν Hydræ ...	3.3	8 52	66
δ Crateris ...	3.8	9 26	62
δ Corvi ...	3.1	10 32	67
α Virginis ...	1.2	11 45	53
α Libræ ...	2.9	12 53	66
β Libræ ...	2.7	13 45	48
μ Serpentis ...	3.6	14 57	24
ζ Ophiuchi ...	2.7	14 59	52
η Ophiuchi ...	2.6	15 13	66
ε Ophiuchi ...	3.3	15 14	31
δ Ophiuchi ...	3.0	15 20	26
ν Ophiuchi ...	3.5	16 23	50
η Serpentis ...	3.4	17 33	23
λ Aquilæ ...	3.6	17 59	33
β Capricorni ...	3.3	18 25	64
α ² Capricorni ...	3.8	18 30	58
ε Aquarii ...	3.8	19 11	50
β Aquarii ...	3.1	20 17	37
λ Aquarii ...	3.8	21 25	44
ι Ceti ...	3.8	22 46	49
θ Ceti ...	3.8	23 54	46

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
φ Eridani ...	3.8	0 16	143
θ Eridani ...	3.0	0 34	119
α Horologii ...	3.8	1 52	122
α Doradus ...	3.5	2 52	151
ν Argus ...	3.2	4 16	124
α Argus ...	0.9	4 27	144
τ Argus ...	2.8	4 45	139
σ Argus ...	3.3	5 8	124
ζ Argus ...	2.3	5 39	117
γ Argus ...	2.2	5 55	132
λ Argus ...	2.2	6 46	124
δ Argus ...	2.0	6 57	149
ψ Argus ...	3.6	7 6	117
κ Argus ...	2.6	7 36	150
ν Velorum ...	3.0	8 0	155
μ Argus ...	2.8	8 35	136
δ Centauri ...	2.9	10 0	139
γ Centauri ...	2.4	10 28	135
γ Crucis ...	1.6	10 57	155
μ Centauri ...	3.3	11 25	122
ζ Centauri ...	3.1	11 37	132
ε Centauri ...	2.6	11 42	145
η Centauri ...	2.7	12 10	121
α Lupi ...	2.9	12 23	132
β Lupi ...	2.8	12 34	123
κ Centauri ...	3.4	12 34	121
ζ Lupi ...	3.5	13 8	142
113G Lupi ...	3.0	13 9	119
θ Scorpæ ...	2.0	15 12	123
κ Scorpæ ...	2.5	15 15	115
ζ Aræ ...	3.1	15 16	153
α Aræ ...	3.0	15 20	138
ι ¹ Scorpæ ...	3.1	15 20	118
β Aræ ...	2.8	15 38	152
α Telescopii ...	3.8	16 6	130
α Indi ...	3.2	18 21	133
α Pavonis ...	2.1	18 53	156
α Gruis ...	2.2	19 51	132
β Gruis ...	2.2	20 26	132
ε Gruis ...	3.7	20 45	142
α Phœnicis ...	2.4	22 3	123
β Phœnicis ...	3.4	22 50	132
γ Phœnicis ...	3.4	23 7	125

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Gruis ...	2.2	0 15	228
ε Gruis ...	3.7	0 43	218
β Gruis ...	2.2	0 50	228
α Phœnicis ...	2.4	2 41	237
β Phœnicis ...	3.4	3 14	228
γ Phœnicis ...	3.4	3 43	235
φ Eridani ...	3.8	4 12	217
θ Eridani ...	3.0	5 16	241
α Doradus ...	3.5	6 12	209
α Horologii ...	3.8	6 30	238
α Argus ...	0.9	8 17	216
τ Argus ...	2.8	8 51	221
ν Argus ...	3.2	8 54	236
σ Argus ...	3.3	9 46	236
γ Argus ...	2.2	10 19	228
ζ Argus ...	2.3	10 23	243
δ Argus ...	2.0	10 27	211
ν Vellorum ...	3.0	10 58	205
κ Argus ...	2.6	11 4	210
λ Argus ...	2.2	11 24	236
ψ Argus ...	3.6	11 50	243
μ Argus ...	2.8	12 51	224
γ Crucis ...	1.6	13 57	205
δ Centauri ...	2.9	14 8	221
γ Centauri ...	2.4	14 46	225
ε Centauri ...	2.6	15 28	215
ζ Centauri ...	3.1	16 3	228
μ Centauri ...	3.3	16 5	238
α Lupi ...	2.9	16 49	228
η Centauri ...	2.7	16 50	239
ζ Lupi ...	3.5	17 4	218
β Lupi ...	2.8	17 12	237
κ Centauri ...	3.4	17 14	239
ι ¹ 3 G Lupi ...	3.0	17 51	241
ζ Aræ ...	3.1	18 28	207
β Aræ ...	2.8	18 58	208
α Aræ ...	3.0	19 30	222
θ Scorpil ...	2.0	19 50	237
κ Scorpil ...	2.5	19 59	245
ι ¹ Scorpil ...	3.1	20 4	243
α Telescopil ...	3.8	20 36	230
α Pavonis ...	2.1	21 45	204
α Indi ...	3.2	22 43	227

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
λ Aquarii ...	3.8	0 11	316
ι Ceti ...	3.8	1 44	311
θ Ceti ...	3.8	2 46	314
ζ Ceti ...	3.9	3 23	307
ε Eridani ...	3.8	5 0	310
δ Eridani ...	3.7	5 11	309
γ Eridani ...	3.2	5 41	299
β Eridani ...	2.9	6 9	326
53 Eridani ...	4.0	6 24	297
β Orionis ...	0.3	6 35	315
ι Orionis ...	2.9	6 41	323
κ Orionis ...	2.2	7 15	310
30 Monocerotis ...	4.0	9 13	334
α Hydræ ...	2.2	10 48	315
ν Hydræ ...	3.3	12 40	294
δ Crateris ...	3.8	13 4	298
δ Corvi ...	3.1	14 20	293
α Virginis ...	1.2	14 57	307
μ Serpēntis ...	3.6	16 33	336
α Libræ ...	2.9	16 39	294
β Libræ ...	2.7	16 41	312
δ Ophiuchi ...	3.0	17 0	334
ε Ophiuchi ...	3.3	17 14	329
ζ Ophiuchi ...	2.7	18 7	308
η Ophiuchi ...	2.6	18 59	294
η Serpēntis ...	3.4	19 1	337
ν Ophiuchi ...	3.5	19 27	310
λ Aquilæ ...	3.6	20 5	327
α ² Capricorni ...	3.8	21 58	302
β Capricorni ...	3.3	22 7	296
ε Aquarii ...	3.8	22 15	310
β Aquarii ...	3.1	22 37	323

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 15	50
ε Eridani ...	3.8	2 2	47
γ Eridani ...	3.2	2 10	59
δ Eridani ...	3.7	2 11	48
53 Eridani ...	4.0	2 47	61
μ Leporis ...	3.3	3 16	65
β Orionis ...	0.3	3 52	42
β Eridani ...	2.9	4 7	30
κ Orionis ...	2.2	4 17	47
ι Orionis ...	2.9	4 28	33
α Canis Majoris	1.6	4 48	66
ρ Argus ...	2.9	5 52	83
30 Monocerotis ...	4.0	7 41	21
α Hydræ ...	2.2	8 5	42
ν Hydræ ...	3.3	8 55	64
δ Crateris ...	3.8	9 29	60
δ Corvi ...	3.1	10 34	64
α Virginis ...	1.2	11 49	50
α Libræ ...	2.9	12 55	64
β Libræ ...	2.7	13 49	45
ζ Ophiuchi ...	2.7	15 3	49
η Ophiuchi ...	2.6	15 15	63
ε Ophiuchi ...	3.3	15 23	26
δ Ophiuchi ...	3.0	15 30	20
ν Ophiuchi ...	3.5	16 28	47
λ Aquilæ ...	3.6	18 7	29
β Capricorni ...	3.3	18 27	62
α ² Capricorni ...	3.8	18 33	56
ε Aquarii ...	3.8	19 16	47
δ Capricorni ...	3.0	19 49	66
β Aquarii ...	3.1	20 24	33
δ Aquarii ...	3.5	20 57	65
λ Aquarii ...	3.8	21 30	41
ι Ceti ...	3.8	22 50	46
θ Ceti ...	3.8	23 59	43

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Eridani ...	0.6	0 4	156
φ Eridani ...	3.8	0 10	141
θ Eridani ...	3.0	0 32	117
α Horologii ...	3.8	1 49	121
α Doradus ...	3.5	2 43	149
ν Argus ...	3.2	4 13	122
α Argus ...	0.9	4 21	142
τ Argus ...	2.8	4 39	138
σ Argus ...	3.3	5 5	122
ζ Argus ...	2.3	5 37	115
γ Argus ...	2.2	5 51	130
λ Argus ...	2.2	6 43	122
δ Argus ...	2.0	6 49	147
ψ Argus ...	3.6	7 4	116
κ Argus ...	2.6	7 28	147
ν Velorum ...	3.0	7 50	153
μ Argus ...	2.8	8 31	134
δ Centauri ...	2.9	9 55	137
γ Centauri ...	2.4	10 24	133
γ Crucis ...	1.6	10 47	152
μ Centauri ...	3.3	11 22	120
ζ Centauri ...	3.1	11 33	130
ε Centauri ...	2.6	11 36	143
η Centauri ...	2.7	12 7	119
α Lupi ...	2.9	12 19	130
β Lupi ...	2.8	12 31	121
κ Centauri ...	3.4	12 31	119
ζ Lupi ...	3.5	13 2	140
113 G Lupi ...	3.0	13 7	118
ζ Aræ ...	3.1	15 8	150
θ Scorpæ ...	2.0	15 9	122
κ Scorpæ ...	2.5	15 13	114
α Aræ ...	3.0	15 15	136
ι ¹ Scorpæ ...	3.1	15 18	116
β Aræ ...	2.8	15 30	149
α Telescopii ...	3.8	16 3	128
α Indi ...	3.2	18 17	131
α Pavonis ...	2.1	18 42	153
α Gruis ...	2.2	19 47	131
β Gruis ...	2.2	20 22	131
ε Gruis ...	3.7	20 39	140
α Phœnicis ...	2.4	22 0	121
β Phœnicis ...	3.4	22 46	130
γ Phœnicis ...	3.4	23 4	124

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Gruis ...	2.2	0 19	229
ϵ Gruis ...	3.7	0 49	220
β Gruis ...	2.2	0 54	229
α Phœnicis ...	2.4	2 44	239
α Eridani ...	0.6	3 6	204
β Phœnicis ...	3.4	3 18	230
γ Phœnicis ...	3.4	3 46	236
φ Eridani ...	3.8	4 18	219
θ Eridani ...	3.0	5 18	243
α Doradus ...	3.5	6 21	211
α Horologii ...	3.8	6 33	239
α Argus ...	0.9	8 23	218
ν Argus ...	3.2	8 57	238
τ Argus ...	2.8	8 57	222
σ Argus ...	3.3	9 49	238
γ Argus ...	2.2	10 23	230
ζ Argus ...	2.3	10 25	245
δ Argus ...	2.0	10 35	213
ν Velorum ...	3.0	11 8	207
κ Argus ...	2.6	11 12	213
λ Argus ...	2.2	11 27	238
ψ Argus ...	3.6	11 52	244
μ Argus ...	2.8	12 55	226
γ Crucis ...	1.6	14 7	208
δ Centauri ...	2.9	14 13	223
γ Centauri ...	2.4	14 50	227
ϵ Centauri ...	2.6	15 34	217
ζ Centauri ...	3.1	16 7	230
μ Centauri ...	3.3	16 8	240
η Centauri ...	2.7	16 53	241
α Lupi ...	2.9	16 53	230
ζ Lupi ...	3.5	17 10	220
β Lupi ...	2.8	17 15	239
κ Centauri ...	3.4	17 17	241
ι γ Lupi ...	3.0	17 53	242
ζ Aræ ...	3.1	18 36	210
β Aræ ...	2.8	19 6	211
α Aræ ...	3.0	19 35	224
θ Scorpii ...	2.0	19 53	238
κ Scorpii ...	2.5	20 1	246
ι γ Scorpii ...	3.1	20 6	244
α Telescopii ...	3.8	20 39	232
α Pavonis ...	2.1	21 56	207
α Indi ...	3.2	22 47	229

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
λ Aquarii ...	3.8	0 6	319
δ Aquarii ...	3.5	0 43	295
ι Ceti ...	3.8	1 40	314
θ Ceti ...	3.8	2 41	317
ζ Ceti ...	3.9	3 19	310
ϵ Eridani ...	3.8	4 56	313
δ Eridani ...	3.7	5 7	312
γ Eridani ...	3.2	5 38	301
β Eridani ...	2.9	6 1	330
γ Eridani ...	4.0	6 21	299
β Orionis ...	0.3	6 30	318
ι Orionis ...	2.9	6 34	327
μ Leporis ...	3.3	7 2	295
κ Orionis ...	2.2	7 11	313
α Canis Majoris ...	-1.6	8 36	294
γ Monocerotis ...	4.0	9 3	339
α Hydræ ...	2.2	10 43	318
ν Hydræ ...	3.3	12 37	296
δ Crateris ...	3.8	13 1	300
δ Corvi ...	3.1	14 18	296
α Virginis ...	1.2	14 53	310
α Libræ ...	2.9	16 37	296
β Libræ ...	2.7	16 37	315
δ Ophiuchi ...	3.0	16 50	340
ϵ Ophiuchi ...	3.3	17 5	334
ζ Ophiuchi ...	2.7	18 3	311
η Ophiuchi ...	2.6	18 57	297
ν Ophiuchi ...	3.5	19 22	313
λ Aquilæ ...	3.6	19 57	331
α γ Capricorni ...	3.8	21 55	304
β Capricorni ...	3.3	22 5	298
ϵ Aquarii ...	3.8	22 10	313
β Aquarii ...	3.1	22 30	327
δ Capricorni ...	3.0	23 37	294

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
θ Ceti ...	3·8	0 5	40
ζ Ceti ...	3·9	0 19	47
ε Eridani ...	3·8	2 7	44
γ Eridani ...	3·2	2 13	56
δ Eridani ...	3·7	2 15	45
53 Eridani ...	4·0	2 50	58
μ Leporis ...	3·3	3 19	63
β Orionis ...	0·3	3 58	39
β Eridani ...	2·9	4 16	25
κ Orionis ...	2·2	4 22	44
ι Orionis ...	2·9	4 36	29
α Canis Majoris	-1·6	4 50	64
ρ Argus ...	2·9	5 53	81
α Hydræ ...	2·2	8 11	39
ν Hydræ ...	3·3	8 57	62
δ Crateris ...	3·8	9 32	58
γ Corvi ...	2·8	10 19	65
δ Corvi ...	3·1	10 36	62
α Virginis ...	1·2	11 53	47
α Libræ ...	2·9	12 58	61
β Libræ ...	2·7	13 54	42
ζ Ophiuchi ...	2·7	15 7	46
η Ophiuchi ...	2·6	15 18	61
ε Ophiuchi ...	3·3	15 34	21
ν Ophiuchi ...	3·5	16 33	44
λ Aquilæ ...	3·6	18 16	24
β Capricorni ...	3·3	18 30	59
α ² Capricorni ...	3·8	18 36	53
ε Aquarii ...	3·8	19 21	44
δ Capricorni ...	3·0	19 52	63
β Aquarii ...	3·1	20 32	28
δ Aquarii ...	3·5	21 0	63
λ Aquarii ...	3·8	21 36	37
ι Ceti ...	3·8	22 55	42

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
φ Eridani ...	3·8	0 5	139
θ Eridani ...	3·0	0 29	115
α Horologii ...	3·8	1 46	119
α Doradus ...	3·5	2 36	146
ν Argus ...	3·2	4 10	120
α Argus ...	0·9	4 15	140
τ Argus ...	2·8	4 35	136
σ Argus ...	3·3	5 2	120
γ Argus ...	2·2	5 47	128
λ Argus ...	2·2	6 40	120
δ Argus ...	2·0	6 42	144
ψ Argus ...	3·6	7 2	114
κ Argus ...	2·6	7 21	145
ν Velorum ...	3·0	7 41	150
μ Argus ...	2·8	8 26	132
ζ Centauri ...	2·9	9 50	135
γ Centauri ...	2·4	10 19	131
δ Crucis ...	3·1	10 35	155
γ Crucis ...	1·6	10 38	150
μ Centauri ...	3·3	11 20	118
δ Centauri ...	3·1	11 29	128
ε Centauri ...	2·6	11 30	141
η Centauri ...	2·7	12 4	118
α Lupi ...	2·9	12 15	128
β Lupi ...	2·8	12 28	120
κ Centauri ...	3·4	12 28	118
ζ Lupi ...	3·5	12 57	138
113G Lupi ...	3·0	13 4	116
ζ Aræ ...	3·1	14 59	148
θ Scorpæ ...	2·0	15 6	120
α Aræ ...	3·0	15 10	134
ι ¹ Scorpæ ...	3·1	15 16	114
β Aræ ...	2·8	15 23	147
α Telescopii ...	3·8	15 59	126
α Indi ...	3·2	18 13	129
α Pavonis ...	2·1	18 33	151
α Gruis ...	2·2	19 43	129
β Gruis ...	2·2	20 18	129
ε Gruis ...	3·7	20 34	138
α Phœnicis ...	2·4	21 57	120
β Phœnicis ...	3·4	22 42	129
γ Phœnicis ...	3·4	23 1	122
α Eridani ...	0·6	23 54	153

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Gruis ...	2.2	0 23	231
ϵ Gruis ...	3.7	0 54	222
β Gruis ...	2.2	0 58	231
α Phœnicis ...	2.4	2 47	240
α Eridani ...	0.6	3 16	207
β Phœnicis ...	3.4	3 22	231
γ Phœnicis ...	3.4	3 49	238
ϕ Eridani ...	3.8	4 23	221
θ Eridani ...	3.0	5 21	245
α Doradus ...	3.5	6 28	214
α Horologii ...	3.8	6 36	241
α Argus ...	0.9	8 29	220
ν Argus ...	3.2	9 0	240
τ Argus ...	2.8	9 1	224
σ Argus ...	3.3	9 52	240
γ Argus ...	2.2	10 27	232
δ Argus ...	2.0	10 42	216
ν Velorum ...	3.0	11 17	210
κ Argus ...	2.6	11 19	215
λ Argus ...	2.2	11 30	240
ψ Argus ...	3.6	11 54	246
μ Argus ...	2.8	13 0	228
δ Crucis ...	3.1	13 47	205
γ Crucis ...	1.6	14 16	210
δ Centauri ...	2.9	14 18	225
γ Centauri ...	2.4	14 55	229
ϵ Centauri ...	2.6	15 40	219
μ Centauri ...	3.3	16 10	242
ζ Centauri ...	3.1	16 11	232
η Centauri ...	2.7	16 56	242
α Lupi ...	2.9	16 57	232
ζ Lupi ...	3.5	17 15	222
β Lupi ...	2.8	17 18	240
κ Centauri ...	3.4	17 20	242
ι 13 G Lupi ...	3.0	17 56	244
ζ Aræ ...	3.1	18 45	212
β Aræ ...	2.8	19 13	213
α Aræ ...	3.0	19 40	226
θ Scorpïi ...	2.0	19 56	240
ι 1 Scorpïi ...	3.1	20 8	246
α Telescopïi ...	3.8	20 43	234
α Pavonis ...	2.1	22 5	209
α Indi ...	3.2	22 51	231

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
λ Aquarii ...	3.8	0 0	323
δ Aquarii ...	3.5	0 40	297
ι Ceti ...	3.8	1 35	318
θ Ceti ...	3.8	2 35	320
ζ Ceti ...	3.9	3 15	313
ϵ Eridani ...	3.8	4 51	316
δ Eridani ...	3.7	5 3	315
γ Eridani ...	3.2	5 35	304
β Eridani ...	2.9	5 52	335
ν 53 Eridani ...	4.0	6 18	302
β Orionis ...	0.3	6 24	321
ι Orionis ...	2.9	6 26	331
μ Leporis ...	3.3	6 59	297
κ Orionis ...	2.2	7 6	316
α Canis Majoris ...	1.6	8 34	296
α Hydræ ...	2.2	10 37	321
ν Hydræ ...	3.3	12 35	298
δ Crateris ...	3.8	12 58	302
γ Corvi ...	2.8	14 5	295
δ Corvi ...	3.1	14 16	298
α Virginis ...	1.2	14 49	313
β Libræ ...	2.7	16 32	318
α Libræ ...	2.9	16 34	299
ϵ Ophiuchi ...	3.3	16 54	339
ζ Ophiuchi ...	2.7	17 59	314
η Ophiuchi ...	2.6	18 54	299
ν Ophiuchi ...	3.5	19 17	316
λ Aquilæ ...	3.6	19 48	336
α^2 Capricorni ...	3.8	21 52	307
β Capricorni ...	3.3	22 2	301
ϵ Aquarii ...	3.8	22 5	316
β Aquarii ...	3.1	22 22	332
δ Capricorni ...	3.0	23 34	297

LATITUDE 34° SOUTH.

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Ceti	3·8	0 11	36
ζ Ceti	3·9	0 24	44
ε Eridani	3·8	2 13	40
γ Eridani	3·2	2 16	54
δ Eridani	3·7	2 20	42
53 Eridani	4·0	2 53	56
μ Leporis	3·3	3 21	61
α Leporis	2·7	3 35	65
β Orionis	0·3	4 4	35
β Canis Majoris	2·0	4 25	65
κ Orionis	2·2	4 28	40
ι Orionis	2·9	4 45	24
α Canis Majoris	-1·6	4 53	61
ρ Argus	2·9	5 54	79
α Hydræ	2·2	8 17	35
ν Hydræ	3·3	9 0	59
δ Crateris	3·8	9 35	55
γ Corvi	2·8	10 21	63
δ Corvi	3·1	10 39	60
α Virginis	1·2	11 58	44
α Libræ	2·9	13 0	59
β Libræ	2·7	14 0	38
ζ Ophiuchi	2·7	15 12	43
η Ophiuchi	2·6	15 21	59
ν Ophiuchi	3·5	16 38	41
β Capricorni	3·3	18 33	57
α ² Capricorni	3·8	18 40	51
ε Aquarii	3·8	19 26	41
δ Capricorni	3·0	19 54	61
β Aquarii	3·1	20 42	23
δ Aquarii	3·5	21 2	61
λ Aquarii	3·8	21 43	33
β Ceti	2·2	22 44	66
ι Ceti	3·8	23 1	39

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
φ Eridani	3·8	0 0	137
θ Eridani	3·0	0 27	113
α Horologii	3·8	1 43	117
α Doradus	3·5	2 29	144
ν Argus	3·2	4 8	119
α Argus	-0·9	4 10	138
τ Argus	2·8	4 31	134
σ Argus	3·3	5 0	119
γ Argus	2·2	5 43	127
δ Argus	2·0	6 36	143
λ Argus	2·2	6 38	119
ε Argus	1·7	6 42	155
κ Argus	2·6	7 15	143
ι Argus	2·3	7 33	154
ν Vellorum	3·0	7 33	148
μ Argus	2·8	8 22	131
δ Centauri	2·9	9 46	133
γ Centauri	2·4	10 15	130
δ Crucis	3·1	10 25	152
γ Crucis	1·6	10 31	147
β Crucis	1·5	11 5	155
μ Centauri	3·3	11 17	117
ε Centauri	2·6	11 24	139
ζ Centauri	3·1	11 26	126
η Centauri	2·7	12 2	116
α Lupi	2·9	12 12	127
β Lupi	2·8	12 26	118
κ Centauri	3·4	12 26	116
ζ Lupi	3·5	12 52	137
113 G Lupi	3·0	13 2	114
ζ Aræ	3·1	14 52	146
θ Scorpii	2·0	15 4	118
α Aræ	3·0	15 6	132
β Aræ	2·8	15 16	145
α Telescopii	3·8	15 56	125
α Indi	3·2	18 9	128
α Pavonis	2·1	18 25	149
α Gruis	2·2	19 40	127
β Gruis	2·2	20 14	127
ε Gruis	3·7	20 29	136
α Phœnicis	2·4	21 55	118
β Phœnicis	3·4	22 38	127
γ Phœnicis	3·4	22 58	120
α Eridani	0·6	23 45	150

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Gruis ...	2.2	0 26	233
ϵ Gruis ...	3.7	0 59	224
β Gruis ...	2.2	1 2	233
α Phœnicis ...	2.4	2 49	242
α Eridani ...	0.6	3 25	210
β Phœnicis ...	3.4	3 26	233
γ Phœnicis ...	3.4	3 52	240
φ Eridani ...	3.8	4 28	223
θ Eridani ...	3.0	5 23	247
α Doradus ...	3.5	6 35	216
α Horologii ...	3.8	6 39	243
α Argus ...	0.9	8 34	222
ν Argus ...	3.2	9 2	241
τ Argus ...	2.8	9 5	226
σ Argus ...	3.3	9 54	241
ϵ Argus ...	1.7	10 0	205
γ Argus ...	2.2	10 31	233
δ Argus ...	2.0	10 48	217
ι Argus ...	2.3	10 57	206
κ Argus ...	2.6	11 25	217
ν Velorum ...	3.0	11 25	212
λ Argus ...	2.2	11 32	241
μ Argus ...	2.8	13 4	229
δ Crucis ...	3.1	13 57	208
δ Centauri ...	2.9	14 22	227
β Crucis ...	1.5	14 22	205
γ Crucis ...	1.6	14 23	213
γ Centauri ...	2.4	14 59	230
ϵ Centauri ...	2.6	15 46	221
μ Centauri ...	3.3	16 13	243
ζ Centauri ...	3.1	16 14	234
η Centauri ...	2.7	16 58	244
α Lupi ...	2.9	17 0	233
β Lupi ...	2.8	17 20	242
ζ Lupi ...	3.5	17 20	223
κ Centauri ...	3.4	17 22	244
ι 13G Lupi ...	3.0	17 58	246
ζ Aræ ...	3.1	18 52	214
β Aræ ...	2.8	19 20	215
α Aræ ...	3.0	19 44	228
θ Scorpæ ...	2.0	19 58	242
α Telescopii ...	3.8	20 46	235
α Pavonis ...	2.1	22 13	211
α Indi ...	3.2	22 55	232

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 38	299
ι Ceti ...	3.8	1 29	321
θ Ceti ...	3.8	2 29	324
β Ceti ...	2.2	2 34	294
ζ Ceti ...	3.9	3 10	316
ϵ Eridani ...	3.8	4 45	320
δ Eridani ...	3.7	4 58	318
γ Eridani ...	3.2	5 32	306
ν Eridani ...	4.0	6 15	304
ι Orionis ...	2.9	6 17	336
β Orionis ...	0.3	6 18	325
μ Leporis ...	3.3	6 57	299
κ Orionis ...	2.2	7 0	320
α Leporis ...	2.7	7 23	295
β Canis Majoris ...	2.0	8 13	295
α Canis Majoris ...	1.6	8 31	299
α Hydræ ...	2.2	10 31	325
ν Hydræ ...	3.3	12 32	301
δ Crateris ...	3.8	12 55	305
γ Corvi ...	2.8	14 3	297
δ Corvi ...	3.1	14 13	300
α Virginis ...	1.2	14 44	316
β Libræ ...	2.7	16 26	322
α Libræ ...	2.9	16 32	301
ζ Ophiuchi ...	2.7	17 54	317
η Ophiuchi ...	2.6	18 51	301
ν Ophiuchi ...	3.5	19 12	319
α^2 Capricorni ...	3.8	21 48	309
β Capricorni ...	3.3	21 59	303
ϵ Aquarii ...	3.8	22 0	319
β Aquarii ...	3.1	22 12	337
δ Capricorni ...	3.0	23 32	299
λ Aquarii ...	3.8	23 53	327

LATITUDE 35° SOUTH.

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Ceti	3·8	0 18	32
ζ Ceti	3·9	0 30	40
ε Eridani	3·8	2 19	37
γ Eridani	3·2	2 20	51
δ Eridani	3·7	2 26	38
53 Eridani	4·0	2 56	53
μ Leporis	3·3	3 24	58
α Leporis	2·7	3 38	62
β Orionis	0·3	4 11	31
β Canis Majoris	2·0	4 28	62
κ Orionis	2·2	4 34	37
α Canis Majoris	-1·6	4 56	59
ρ <i>Argus</i>	2·9	5 55	77
α Hydræ	2·2	8 25	31
ν Hydræ	3·3	9 3	57
δ Crateris... ..	3·8	9 38	53
γ Corvi	2·8	10 24	60
δ Corvi	3·1	10 42	57
α Virginis... ..	1·2	12 4	40
α Libræ	2·9	13 3	56
β ¹ <i>Scorpii</i>	2·9	14 4	67
β Libræ	2·7	14 7	34
ζ Ophiuchi	2·7	15 18	39
η Ophiuchi	2·6	15 24	56
ν Ophiuchi	3·5	16 44	37
β Capricorni	3·3	18 36	54
α ² Capricorni	3·8	18 45	48
ε Aquarii	3·8	19 32	37
δ Capricorni	3·0	19 57	59
δ Aquarii	3·5	21 5	58
λ Aquarii	3·8	21 51	29
β Ceti	2·2	22 46	64
ι Ceti	3·8	23 7	35

SE. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
θ <i>Eridani</i>	3·0	0 25	112
α Horologii	3·8	1 41	116
α Doradus	3·5	2 23	142
α Argus	-0·9	4 5	137
ν Argus	3·2	4 5	117
τ Argus	2·8	4 26	132
σ Argus	3·3	4 57	117
γ Argus	2·2	5 40	125
δ Argus	2·0	6 30	141
ε Argus	1·7	6 32	152
λ Argus	2·2	6 35	117
κ Argus	2·6	7 9	141
ι Argus	2·3	7 24	151
ν Velorum	3·0	7 26	146
μ Argus	2·8	8 18	129
δ Centauri	2·9	9 41	132
γ Centauri	2·4	10 11	128
δ Crucis	3·1	10 16	150
γ Crucis	1·6	10 24	146
β Crucis	1·5	10 54	152
μ Centauri	3·3	11 15	115
ε Centauri	2·6	11 19	137
ζ Centauri	3·1	11 23	125
η <i>Centauri</i>	2·7	12 0	114
α Lupi	2·9	12 9	125
β Centauri	0·9	12 15	154
β Lupi	2·8	12 23	117
κ Centauri	3·4	12 24	115
ζ Lupi	3·5	12 47	135
α <i>Centauri</i>	0·3	12 56	156
ζ Aræ	3·1	14 46	144
α Aræ	3·0	15 1	131
θ <i>Scorpii</i>	2·0	15 1	117
β Aræ	2·8	15 10	143
α Telescopii	3·8	15 53	123
α Indi	3·2	18 5	126
α Pavonis... ..	2·1	18 17	146
α Gruis	2·2	19 36	126
β Gruis	2·2	20 11	126
ε Gruis	3·7	20 24	135
α Phœnicis	2·4	21 52	116
β Phœnicis	3·4	22 35	125
γ Phœnicis	3·4	22 55	119
α Eridani	0·6	23 37	148
φ Eridani	3·8	23 55	135

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Gruis ...	2.2	0 30	234
ε Gruis ...	3.7	1 4	225
β Gruis ...	2.2	1 5	234
α Phœnicis ...	2.4	2 52	244
β Phœnicis ...	3.4	3 29	235
α Eridani ...	0.6	3 33	212
γ Phœnicis ...	3.4	3 55	241
φ Eridani ...	3.8	4 33	225
θ Eridani ...	3.0	5 25	248
α Horologii ...	3.8	6 41	244
α Doradus ...	3.5	6 41	218
α Argus ...	0.9	8 39	223
ν Argus ...	3.2	9 5	243
τ Argus ...	2.8	9 10	228
σ Argus ...	3.3	9 57	243
ε Argus ...	1.7	10 10	208
γ Argus ...	2.2	10 34	235
δ Argus ...	2.0	10 54	219
ι Argus ...	2.3	11 6	209
κ Argus ...	2.6	11 31	219
ν Velorum ...	3.0	11 32	214
λ Argus ...	2.2	11 35	243
μ Argus ...	2.8	13 8	231
δ Crucis ...	3.1	14 6	210
δ Centauri ...	2.9	14 27	228
γ Crucis ...	1.6	14 30	214
β Crucis ...	1.5	14 32	208
γ Centauri ...	2.4	15 3	232
β Centauri ...	0.9	15 41	206
ε Centauri ...	2.6	15 51	223
α Centauri ...	0.3	16 12	204
μ Centauri ...	3.3	16 15	245
ζ Centauri ...	3.1	16 17	235
η Centauri ...	2.7	17 0	246
α Lupi ...	2.9	17 3	235
β Lupi ...	2.8	17 23	243
κ Centauri ...	3.4	17 24	245
ζ Lupi ...	3.5	17 25	225
ζ Aræ ...	3.1	18 58	216
β Aræ ...	2.8	19 26	217
α Aræ ...	3.0	19 49	229
θ Scorpïi ...	2.0	20 1	243
α Telescopii ...	3.8	20 49	237
α Pavonis... ..	2.1	22 21	214
α Indi ...	3.2	22 59	234

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 35	302
ι Ceti ...	3.8	1 23	325
θ Ceti ...	3.8	2 22	328
β Ceti ...	2.2	2 32	296
ζ Ceti ...	3.9	3 4	320
ε Eridani ...	3.8	4 39	323
δ Eridani ...	3.7	4 52	322
γ Eridani ...	3.2	5 28	309
β Orionis ...	0.3	6 11	329
53 Eridani ...	4.0	6 12	307
μ Leporis ...	3.3	6 54	302
κ Orionis ...	2.2	6 54	323
α Leporis ...	2.7	7 20	298
β Canis Majoris	2.0	8 10	298
α Canis Majoris	1.6	8 28	301
α Hydræ ...	2.2	10 23	329
ν Hydræ ...	3.3	12 29	303
δ Crateris... ..	3.8	12 52	307
γ Corvi ...	2.8	14 0	300
δ Corvi ...	3.1	14 10	303
α Virginis... ..	1.2	14 38	320
β Libræ ...	2.7	16 19	326
α Libræ ...	2.9	16 29	304
ζ Ophiuchi ...	2.7	17 48	321
β ¹ Scorpïi ...	2.9	17 58	293
η Ophiuchi ...	2.6	18 48	304
ν Ophiuchi ...	3.5	19 6	323
α ² Capricorni ...	3.8	21 43	312
ε Aquarii ...	3.8	21 54	323
β Capricorni ...	3.3	21 56	306
δ Capricorni ...	3.0	23 29	301
λ Aquarii ...	3.8	23 45	331

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Ceti ...	3.8	0 26	27
ζ Ceti ...	3.9	0 36	37
γ Eridani ...	3.2	2 24	48
ε Eridani ...	3.8	2 26	33
δ Eridani ...	3.7	2 33	34
53 Eridani ...	4.0	3 0	50
μ Leporis ...	3.3	3 27	56
α Leporis ...	2.7	3 41	60
β Orionis ...	0.3	4 20	26
β Canis Majoris	2.0	4 31	60
κ Orionis ...	2.2	4 41	33
α Canis Majoris	1.6	4 59	56
ρ Argus ...	2.9	5 56	75
α Hydræ ...	2.2	8 34	26
ν Hydræ ...	3.3	9 6	54
δ Crateris ...	3.8	9 42	50
γ Corvi ...	2.8	10 27	58
δ Corvi ...	3.1	10 45	55
α Virginis ...	1.2	12 10	37
α Libræ ...	2.9	13 7	54
β ¹ Scorpii ...	2.9	14 6	64
β Libræ ...	2.7	14 15	30
ζ Ophiuchi ...	2.7	15 24	36
η Ophiuchi ...	2.6	15 27	54
ν Ophiuchi ...	3.5	16 51	33
β Capricorni ...	3.3	18 40	52
α ² Capricorni ...	3.8	18 50	45
ε Aquarii ...	3.8	19 39	33
δ Capricorni ...	3.0	20 0	56
δ Aquarii ...	3.5	21 8	56
λ Aquarii ...	3.8	22 1	24
β Ceti ...	2.2	22 49	61
ι Ceti ...	3.8	23 15	31

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani ...	3.0	0 23	110
α Horologii ...	3.8	1 39	114
α Doradus ...	3.5	2 17	140
α Argus ...	0.9	4 0	135
ν Argus ...	3.2	4 3	115
τ Argus ...	2.8	4 22	131
σ Argus ...	3.3	4 55	115
α Pictoris ...	3.3	5 9	157
γ Argus ...	2.2	5 36	124
ε Argus ...	1.7	6 24	150
δ Argus ...	2.0	6 25	139
λ Argus ...	2.2	6 33	115
κ Argus ...	2.6	7 3	139
ι Argus ...	2.3	7 16	149
ν Velorum ...	3.0	7 19	144
μ Argus ...	2.8	8 14	127
q Carinæ ...	3.4	8 29	154
δ Centauri ...	2.9	9 37	130
δ Crucis ...	3.1	10 8	148
γ Centauri ...	2.4	10 8	126
γ Crucis ...	1.6	10 17	144
β Crucis ...	1.5	10 45	150
ε Centauri ...	2.6	11 14	136
ζ Centauri ...	3.1	11 19	123
α Lupi ...	2.9	12 5	123
β Centauri ...	0.9	12 6	152
β Lupi ...	2.8	12 21	115
ζ Lupi ...	3.5	12 42	133
α Centauri ...	0.3	12 45	153
ζ Aræ ...	3.1	14 39	142
α Aræ ...	3.0	14 57	129
θ Scorpii ...	2.0	14 59	115
β Aræ ...	2.8	15 4	141
α Telescopii ...	3.8	15 50	121
α Indi ...	3.2	18 2	125
α Pavonis ...	2.1	18 10	144
α Gruis ...	2.2	19 33	124
β Gruis ...	2.2	20 7	124
ε Gruis ...	3.7	20 20	133
α Tucanæ ...	2.9	20 26	154
α Phœnicis ...	2.4	21 49	115
β Phœnicis ...	3.4	22 31	124
γ Phœnicis ...	3.4	22 53	117
α Eridani ...	0.6	23 30	146
φ Eridani ...	3.8	23 50	133

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Tucanæ ...	2.9	0 0	206
α Gruis ...	2.2	0 33	236
ϵ Gruis ...	3.7	1 8	227
β Gruis ...	2.2	1 9	236
α Phœnicis ...	2.4	2 55	245
β Phœnicis ...	3.4	3 33	236
α Eridani ...	0.6	3 40	214
γ Phœnicis ...	3.4	3 57	243
φ Eridani ...	3.8	4 38	227
θ Eridani ...	3.0	5 27	250
α Horologii ...	3.8	6 43	246
α Doradus ...	3.5	6 47	220
α Pictoris ...	3.3	8 25	203
α Argus ...	0.9	8 44	225
ν Argus ...	3.2	9 7	245
τ Argus ...	2.8	9 14	229
σ Argus ...	3.3	9 59	245
ϵ Argus ...	1.7	10 18	210
γ Argus ...	2.2	10 38	236
δ Argus ...	2.0	10 59	221
ι Argus ...	2.3	11 14	211
λ Argus ...	2.2	11 37	245
κ Argus ...	2.6	11 37	221
ν Velorum ...	3.0	11 39	216
q Carinæ ...	3.4	11 59	206
μ Argus ...	2.8	13 12	233
δ Crucis ...	3.1	14 14	212
δ Centauri ...	2.9	14 31	230
γ Crucis ...	1.6	14 37	216
β Crucis ...	1.5	14 41	210
γ Centauri ...	2.4	15 6	234
β Centauri ...	0.9	15 50	208
ϵ Centauri ...	2.6	15 56	224
ζ Centauri ...	3.1	16 21	237
α Centauri ...	0.3	16 23	207
α Lupi ...	2.9	17 7	237
β Lupi ...	2.8	17 25	245
ζ Lupi ...	3.5	17 30	227
ζ Aræ ...	3.1	19 5	218
β Aræ ...	2.8	19 32	219
α Aræ ...	3.0	19 53	231
θ Scorpii ...	2.0	20 3	245
α Telescopii ...	3.8	20 52	239
α Pavonis ...	2.1	22 28	216
α Indi ...	3.2	23 2	235

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 32	304
ι Ceti ...	3.8	1 15	329
θ Ceti ...	3.8	2 14	333
β Ceti ...	2.2	2 29	299
ζ Ceti ...	3.9	2 58	323
ϵ Eridani ...	3.8	4 32	327
δ Eridani ...	3.7	4 45	326
γ Eridani ...	3.2	5 24	312
β Orionis ...	0.3	6 2	334
γ Eridani ...	4.0	6 8	310
κ Orionis ...	2.2	6 47	327
μ Leporis ...	3.3	6 51	304
α Leporis ...	2.7	7 17	300
β Canis Majoris ...	2.0	8 7	300
α Canis Majoris ...	1.6	8 25	304
α Hydræ ...	2.2	10 14	334
ν Hydræ ...	3.3	12 26	306
δ Crateris ...	3.8	12 48	310
γ Corvi ...	2.8	13 57	302
δ Corvi ...	3.1	14 7	305
α Virginis ...	1.2	14 32	323
β Libræ ...	2.7	16 11	330
α Libræ ...	2.9	16 25	306
ζ Ophiuchi ...	2.7	17 42	324
β^1 Scorpii ...	2.9	17 56	296
η Ophiuchi ...	2.6	18 45	306
ν Ophiuchi ...	3.5	18 59	327
α^2 Capricorni ...	3.8	21 38	315
ϵ Aquarii ...	3.8	21 47	327
β Capricorni ...	3.3	21 52	308
δ Capricorni ...	3.0	23 26	304
λ Aquarii ...	3.8	23 35	336

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Ceti ...	3.8	0 37	22
ζ Ceti ...	3.9	0 43	33
γ Eridani ...	3.2	2 29	45
ε Eridani ...	3.8	2 34	28
δ Eridani ...	3.7	2 41	30
53 Eridani ...	4.0	3 5	47
β Leporis ...	3.0	3 29	65
μ Leporis ...	3.3	3 30	53
α Leporis ...	2.7	3 44	58
β Canis Majoris	2.0	4 34	58
κ Orionis ...	2.2	4 49	28
α Canis Majoris	1.6	5 2	54
ρ Argus ...	2.9	5 57	74
α Hydræ ...	2.2	8 45	20
ν Hydræ ...	3.3	9 10	52
δ Crateris...	3.8	9 47	47
γ Corvi ...	2.8	10 30	55
δ Corvi ...	3.1	10 49	52
α Virginis...	1.2	12 17	33
α Libræ ...	2.9	13 10	51
β ¹ Scorpii ...	2.9	14 9	62
β Libræ ...	2.7	14 24	25
η Ophiuchi ...	2.6	15 31	51
ζ Ophiuchi ...	2.7	15 32	31
μ Sagittarii ...	4.0	16 12	66
ξ Sagittarii ...	3.6	16 55	66
ν Ophiuchi ...	3.5	16 59	29
π Sagittarii ...	3.0	17 7	66
β Capricorni ...	3.3	18 44	49
α ² Capricorni ...	3.8	18 55	41
ε Aquarii ...	3.8	19 47	29
δ Capricorni ...	3.0	20 3	54
δ Aquarii ...	3.5	21 11	53
β Ceti ...	2.2	22 52	59
ι Ceti ...	3.8	23 24	26

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Hydri ...	3.0	0 9	155
θ Eridani ...	3.0	0 21	109
α Horologii ...	3.8	1 37	113
α Doradus ...	3.5	2 11	138
β Doradus...	3.8	3 50	156
α Argus ...	0.9	3 55	133
ν Argus ...	3.2	4 0	114
τ Argus ...	2.8	4 17	129
σ Argus ...	3.3	4 52	114
α Pictoris ...	3.3	4 59	154
γ Argus ...	2.2	5 33	122
ε Argus ...	1.7	6 16	148
δ Argus ...	2.0	6 19	137
λ Argus ...	2.2	6 30	114
κ Argus ...	2.6	6 57	137
ι Argus ...	2.3	7 8	147
ν Velorum ...	3.0	7 13	142
μ Argus ...	2.8	8 11	126
q Carinæ ...	3.4	8 19	152
δ Centauri ...	2.9	9 33	128
δ Crucis ...	3.1	10 1	146
γ Centauri ...	2.4	10 4	125
γ Crucis ...	1.6	10 11	142
β Crucis ...	1.5	10 37	148
ε Centauri ...	2.6	11 9	134
ζ Centauri ...	3.1	11 16	122
β Centauri ...	0.9	11 57	150
α Lupi ...	2.9	12 2	122
α Centauri ...	0.3	12 36	151
ζ Lupi ...	3.5	12 37	132
ζ Aræ ...	3.1	14 33	140
α Aræ ...	3.0	14 53	127
θ Scorpii ...	2.0	14 56	114
β Aræ ...	2.8	14 58	139
α Telescopii ...	3.8	15 47	120
α Indi ...	3.2	17 59	123
α Pavonis...	2.1	18 4	143
α Gruis ...	2.2	19 30	123
β Gruis ...	2.2	20 4	122
ε Gruis ...	3.7	20 15	131
α Tucanæ ...	2.9	20 16	151
α Phœnicis ...	2.4	21 47	113
β Phœnicis ...	3.4	22 28	122
γ Phœnicis ...	3.4	22 50	115
α Eridani ...	0.6	23 23	144
φ Eridani ...	3.8	23 46	132

SW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
α Tucanæ ...	2.9	0 10	209	
α Gruis ...	2.2	0 36	237	
β Gruis ...	2.2	1 12	238	
ε Gruis ...	3.7	1 13	229	
α Phœnicis ...	2.4	2 57	247	
β Phœnicis ...	3.4	3 36	238	
α Hydri ...	3.0	3 43	205	
α Eridani ...	0.6	3 47	216	
γ Phœnicis ...	3.4	4 0	245	
φ Eridani ...	3.8	4 42	228	
θ Eridani ...	3.0	5 29	251	
α Horologii ...	3.8	6 45	247	
α Doradus ...	3.5	6 53	222	
β Doradus ...	3.8	7 16	204	
α Pictoris ...	3.3	8 35	206	
α Argus ...	0.9	8 49	227	
ν Argus ...	3.2	9 10	246	
τ Argus ...	2.8	9 19	231	
σ Argus ...	3.3	10 2	246	
ε Argus ...	1.7	10 26	212	
γ Argus ...	2.2	10 41	238	
δ Argus ...	2.0	11 5	223	
ι Argus ...	2.3	11 22	213	
λ Argus ...	2.2	11 40	246	
κ Argus ...	2.6	11 43	223	
ν Velorum ...	3.0	11 45	218	
q Carinæ ...	3.4	12 9	208	
μ Argus ...	2.8	13 15	234	
δ Crucis ...	3.1	14 21	214	
δ Centauri ...	2.9	14 35	232	
γ Crucis ...	1.6	14 43	218	
β Crucis ...	1.5	14 49	212	
γ Centauri ...	2.4	15 10	235	
β Centauri ...	0.9	15 59	210	
ε Centauri ...	2.6	16 1	226	
ζ Centauri ...	3.1	16 24	238	
α Centauri ...	0.3	16 32	209	
α Lupi ...	2.9	17 10	238	
ζ Lupi ...	3.5	17 35	228	
ζ Aræ ...	3.1	19 11	220	
β Aræ ...	2.8	19 38	221	
α Aræ ...	3.0	19 57	233	
θ Scorpïi ...	2.0	20 6	246	
α Telescopii ...	3.8	20 55	240	
α Pavonis ...	2.1	22 34	217	
α Indi ...	3.2	23 5	237	

NW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
δ Aquarii ...	3.5	0 29	307	
ι Ceti ...	3.8	1 6	334	
θ Ceti ...	3.8	2 3	338	
β Ceti ...	2.2	2 26	301	
ζ Ceti ...	3.9	2 51	327	
ε Eridani ...	3.8	4 24	332	
δ Eridani ...	3.7	4 37	330	
γ Eridani ...	3.2	5 19	215	
53 Eridani ...	4.0	6 3	313	
κ Orionis ...	2.2	6 39	332	
μ Leporis ...	3.3	6 48	307	
α Leporis ...	2.7	7 14	302	
β Leporis ...	3.0	7 21	294	
β Canis Majoris	2.0	8 4	302	
α Canis Majoris	1.6	8 22	306	
α Hydræ ...	2.2	10 3	340	
ρ Argus ...	2.9	10 11	286	
ν Hydræ ...	3.3	12 22	308	
δ Crateris ...	3.8	12 43	313	
γ Corvi ...	2.8	13 54	305	
δ Corvi ...	3.1	14 3	308	
α Virginis ...	1.2	14 25	327	
β Libræ ...	2.7	16 2	335	
α Libræ ...	2.9	16 22	309	
ζ Ophiuchi ...	2.7	17 34	329	
β ¹ Scorpïi ...	2.9	17 53	298	
η Ophiuchi ...	2.6	18 41	309	
ν Ophiuchi ...	3.5	18 51	331	
μ Sagittariï ...	4.0	20 6	294	
ξ Sagittariï ...	3.6	20 51	294	
π Sagittariï ...	3.0	21 3	294	
α ² Capricorni ...	3.8	21 33	319	
ε Aquarii ...	3.8	21 39	331	
β Capricorni ...	3.3	21 48	311	
δ Capricorni ...	3.0	23 23	306	

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Ceti ...	3.9	0 52	28
γ Eridani ...	3.2	2 34	42
ε Eridani ...	3.8	2 45	22
δ Eridani ...	3.7	2 51	24
53 Eridani ...	4.0	3 10	44
β Leporis ...	3.0	3 31	63
μ Leporis ...	3.3	3 34	50
α Leporis ...	2.7	3 47	55
β Canis Majoris	2.0	4 37	55
κ Orionis ...	2.2	5 0	22
α Canis Majoris	1.6	5 6	51
ρ Argus ...	2.9	5 58	72
ν Hydræ ...	3.3	9 14	49
δ Crateris...	3.8	9 52	44
γ Corvi ...	2.8	10 34	53
δ Corvi ...	3.1	10 53	49
α Virginis...	1.2	12 26	28
α Libræ ...	2.9	13 14	48
β ¹ Scorpii ...	2.9	14 12	60
η Ophiuchi ...	2.6	15 35	48
ζ Ophiuchi ...	2.7	15 41	26
μ Sagittarii ...	4.0	16 14	64
ξ Sagittarii ...	3.6	16 58	64
π Sagittarii ...	3.0	17 10	64
ν Ophiuchi ...	3.5	17 10	23
β Capricorni ...	3.3	18 49	46
α ² Capricorni ...	3.8	19 1	37
ε Aquarii ...	3.8	19 58	23
δ Capricorni ...	3.0	20 7	51
α ² Aquarii ...	3.8	21 8	65
δ Aquarii ...	3.5	21 15	50
β Ceti ...	2.2	22 55	57
ι Ceti ...	3.8	23 36	20

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani ...	3.0	0 20	107
α Horologii ...	3.8	1 34	111
α Doradus ...	3.5	2 6	137
α Reticuli...	3.4	2 22	155
β Doradus ...	3.8	3 40	154
α Argus ...	0.9	3 50	132
τ Argus ...	2.8	4 13	127
α Pictoris ...	3.3	4 49	152
γ Argus ...	2.2	5 30	120
ε Argus ...	1.7	6 8	146
δ Argus ...	2.0	6 14	135
κ Argus ...	2.6	6 52	136
ι Argus ...	2.3	7 1	145
ν Velorum ...	3.0	7 7	140
μ Argus ...	2.8	8 7	124
q Carinæ ...	3.4	8 10	150
δ Centauri ...	2.9	9 29	127
λ Centauri ...	3.3	9 40	154
δ Crucis ...	3.1	9 53	143
γ Centauri ...	2.4	10 0	123
γ Crucis ...	1.6	10 4	140
α Crucis ...	1.1	10 30	154
β Crucis ...	1.5	10 30	146
ε Centauri ...	2.6	11 4	132
ζ Centauri ...	3.1	11 13	120
β Centauri ...	0.9	11 49	148
α Lupi ...	2.9	11 59	120
α Centauri ...	0.3	12 28	149
ζ Lupi ...	3.5	12 33	130
β Triang. Aust.	3.0	14 1	156
ζ Aræ ...	3.1	14 27	138
α Aræ ...	3.0	14 49	126
β Aræ ...	2.8	14 52	137
α Telescopii ...	3.8	15 44	118
α Indi ...	3.2	17 55	121
α Pavonis...	2.1	17 58	141
α Gruis ...	2.2	19 26	121
β Gruis ...	2.2	20 1	121
α Tucanæ ...	2.9	20 8	150
ε Gruis ...	3.7	20 11	130
α Phœnicis ...	2.4	21 45	112
β Phœnicis ...	3.4	22 25	121
α Eridani ...	0.6	23 16	142
φ Eridani ...	3.8	23 41	130
α Hydri ...	3.0	23 59	153

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Tucanæ ...	2.9	0 18	210
α Gruis ...	2.2	0 40	239
β Gruis ...	2.2	1 15	239
ϵ Gruis ...	3.7	1 17	230
α Phœnicis ...	2.4	2 59	248
β Phœnicis ...	3.4	3 39	239
α Hydri ...	3.0	3 53	207
α Eridani ...	0.6	3 54	218
φ Eridani ...	3.8	4 47	230
θ Eridani ...	3.0	5 30	253
α Reticuli ...	3.4	6 4	205
α Horologii ...	3.8	6 48	249
α Doradus ...	3.5	6 58	223
β Doradus ...	3.8	7 26	206
α Pictoris ...	3.3	8 45	208
α Argus ...	0.9	8 54	228
τ Argus ...	2.8	9 23	233
ϵ Argus ...	1.7	10 34	214
γ Argus ...	2.2	10 44	240
δ Argus ...	2.0	11 10	225
ι Argus ...	2.3	11 29	215
κ Argus ...	2.6	11 48	224
\mathbf{N} Velorum ...	3.0	11 51	220
q Carinæ ...	3.4	12 18	210
μ Argus ...	2.8	13 19	236
λ Centauri ...	3.3	13 24	206
α Crucis ...	1.1	14 14	206
δ Crucis ...	3.1	14 29	217
δ Centauri ...	2.9	14 39	233
γ Crucis ...	1.6	14 50	220
β Crucis ...	1.5	14 56	214
γ Centauri ...	2.4	15 14	237
ϵ Centauri ...	2.6	16 6	228
β Centauri ...	0.9	16 7	212
ζ Centauri ...	3.1	16 27	240
α Centauri ...	0.3	16 40	211
α Lupi ...	2.9	17 13	240
β <i>Triang. Aust.</i> ...	3.0	17 35	204
ζ Lupi ...	3.5	17 39	230
ζ Aræ ...	3.1	19 17	222
β Aræ ...	2.8	19 44	223
α Aræ ...	3.0	20 1	234
α Telescopii ...	3.8	20 58	242
α Pavonis ...	2.1	22 40	219
α Indi ...	3.2	23 9	239

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 25	310
ι Ceti ...	3.8	0 54	340
α^2 Aquarii ...	3.8	1 2	295
β Ceti ...	2.2	2 23	303
ζ Ceti ...	3.9	2 42	332
ϵ Eridani ...	3.8	4 13	338
δ Eridani ...	3.7	4 27	336
γ Eridani ...	3.2	5 14	318
53 Eridani ...	4.0	5 58	316
κ Orionis ...	2.2	6 28	338
μ Leporis ...	3.3	6 44	310
α Leporis ...	2.7	7 11	305
β Leporis ...	3.0	7 19	297
β Canis Majoris ...	2.0	8 1	305
α Canis Majoris ...	1.6	8 18	309
ρ Argus ...	2.9	10 10	288
ν Hydræ ...	3.3	12 18	311
δ Crateris ...	3.8	12 38	316
γ Corvi ...	2.8	13 50	307
δ Corvi ...	3.1	13 59	311
α Virginis ...	1.2	14 16	332
α Libræ ...	2.9	16 18	312
ζ Ophiuchi ...	2.7	17 25	334
β^1 Scorpii ...	2.9	17 50	300
η Ophiuchi ...	2.6	18 37	312
ν Ophiuchi ...	3.5	18 40	337
μ Sagittarii ...	4.0	20 4	296
ξ Sagittarii ...	3.6	20 48	296
π Sagittarii ...	3.0	21 0	296
α^2 Capricorni ...	3.8	21 27	323
ϵ Aquarii ...	3.8	21 28	337
β Capricorni ...	3.3	21 43	314
δ Capricorni ...	3.0	23 19	309

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ζ Ceti	3·9	1 3	22
γ Eridani	3·2	2 41	38
ε Leporis	3·3	3 4	65
53 Eridani	4·0	3 15	41
β Leporis	3·0	3 34	61
μ Leporis	3·3	3 39	47
α Leporis	2·7	3 51	52
β Canis Majoris	2·0	4 41	52
α Canis Majoris	1·6	5 10	48
ρ Argus	2·9	6 0	70
ν Hydræ	3·3	9 19	46
δ Crateris	3·8	9 58	40
ε Corvi	3·2	10 9	65
β Corvi	2·8	10 30	67
γ Corvi	2·8	10 38	50
δ Corvi	3·1	10 58	46
γ Hydræ	3·3	11 15	66
α Virginis	1·2	12 37	22
α Libræ	2·9	13 19	45
δ Scorpii	2·5	13 58	65
β ¹ Scorpii	2·9	14 15	58
η Ophiuchi	2·6	15 40	45
ζ Ophiuchi	2·7	15 53	20
μ Sagittarii	4·0	16 16	62
ξ Sagittarii	3·6	17 0	62
π Sagittarii	3·0	17 12	62
β Capricorni	3·3	18 54	43
α ² Capricorni	3·8	19 9	33
ζ Capricorni	3·9	19 23	66
δ Capricorni	3·0	20 12	48
c ² Aquarii	3·8	21 10	63
δ Aquarii	3·5	21 20	47
β Ceti	2·2	22 58	54

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani	3·0	0 18	106
α Horologii	3·8	1 32	110
α Doradus	3·5	2 0	135
α Reticuli	3·4	2 11	152
β Doradus	3·8	3 30	152
α Argus	0·9	3 46	130
τ Argus	2·8	4 10	126
α Pictoris	3·3	4 39	150
γ Argus	2·2	5 27	119
ε Argus	1·7	6 0	144
δ Argus	2·0	6 9	134
κ Argus	2·6	6 47	134
ι Argus	2·3	6 54	143
ν Velorum	3·0	7 1	138
q Carinæ	3·4	8 1	148
μ Argus	2·8	8 4	123
θ Argus	3·0	8 49	156
δ Centauri	2·9	9 25	125
λ Centauri	3·3	9 29	152
δ Crucis	3·1	9 47	142
γ Centauri	2·4	9 57	122
γ Crucis	1·6	9 58	138
α Crucis	1·1	10 19	152
β Crucis	1·5	10 23	144
ε Centauri	2·6	10 59	131
ζ Centauri	3·1	11 10	118
β Centauri	0·9	11 41	146
α Lupi	2·9	11 56	119
α Centauri	0·3	12 19	147
ζ Lupi	3·5	12 29	128
β Triang. Aust.	3·0	13 50	154
ζ Aræ	3·1	14 21	137
β Aræ	2·8	14 46	136
α Aræ	3·0	14 46	124
α Telescopii	3·8	15 41	117
α Pavonis	2·1	17 52	139
α Indi	3·2	17 52	120
α Gruis	2·2	19 23	119
β Gruis	2·2	19 58	119
α Tucanæ	2·9	19 59	147
ε Gruis	3·7	20 7	128
α Phœnicis	2·4	21 43	110
β Phœnicis	3·4	22 22	119
α Eridani	0·6	23 9	140
φ Eridani	3·8	23 37	129
α Hydri	3·0	23 49	150

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Tucanæ ...	2.9	0 27	213
α Gruis ...	2.2	0 43	241
β Gruis ...	2.2	1 18	241
ϵ Gruis ...	3.7	1 21	232
α <i>Phœnicis</i> ...	2.4	3 1	250
β <i>Phœnicis</i> ...	3.4	3 42	241
α Eridani ...	0.6	4 1	220
α Hydri ...	3.0	4 3	210
φ Eridani ...	3.8	4 51	231
θ Eridani ...	3.0	5 32	254
α Reticuli ...	3.4	6 15	208
α Doradus ...	3.5	7 4	225
β Doradus ...	3.8	7 36	208
α Pictoris ...	3.3	8 55	210
α Argus ...	0.9	8 58	230
τ Argus ...	2.8	9 26	234
ϵ Argus ...	1.7	10 42	216
γ Argus ...	2.2	10 47	241
δ Argus ...	2.0	11 15	226
ι Argus ...	2.3	11 36	217
κ Argus ...	2.6	11 53	226
N Velorum ...	3.0	11 57	222
q Carinæ ...	3.4	12 27	212
θ Argus ...	3.0	12 31	204
μ Argus ...	2.8	13 22	237
λ Centauri ...	3.3	13 35	208
α Crucis ...	1.1	14 25	208
δ Crucis ...	3.1	14 35	218
δ Centauri ...	2.9	14 43	235
γ Crucis ...	1.6	14 56	222
β Crucis ...	1.5	15 3	216
γ Centauri ...	2.4	15 17	238
ϵ Centauri ...	2.6	16 11	229
β Centauri ...	0.9	16 15	214
ζ Centauri ...	3.1	16 30	242
α Centauri ...	0.3	16 49	213
α Lupi ...	2.9	17 16	241
ζ Lupi ...	3.5	17 43	232
β Triang. Aust. ...	3.0	17 46	206
ζ Aræ ...	3.1	19 23	223
β Aræ ...	2.8	19 50	224
α Aræ ...	3.0	20 4	236
α Telescopii ...	3.8	21 1	243
α Pavonis ...	2.1	22 46	221
α Indi ...	3.2	23 12	240

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 20	313
ϵ^2 Aquarii ...	3.8	1 0	297
β Ceti ...	2.2	2 20	306
ζ Ceti ...	3.9	2 31	338
γ Eridani ...	3.2	5 7	322
53 Eridani ...	4.0	5 53	319
μ Leporis ...	3.3	6 39	313
ϵ Leporis ...	3.3	7 0	295
α Leporis ...	2.7	7 7	308
β Leporis ...	3.0	7 16	299
β Canis Majoris ...	2.0	7 57	308
α Canis Majoris ...	1.6	8 14	312
ρ Argus ...	2.9	10 8	290
ν Hydræ ...	3.3	12 13	314
δ Crateris ...	3.8	12 32	320
γ Corvi ...	2.8	13 46	310
δ Corvi ...	3.1	13 54	314
ϵ Corvi ...	3.2	14 3	295
α Virginis ...	1.2	14 5	338
β Corvi ...	2.8	14 30	293
γ Hydræ ...	3.3	15 13	294
α Libræ ...	2.9	16 13	315
ζ Ophiuchi ...	2.7	17 13	340
β^1 Scorpii ...	2.9	17 47	302
δ Scorpii ...	2.5	17 52	295
η Ophiuchi ...	2.6	18 32	315
μ Sagittarii ...	4.0	20 2	298
ξ Sagittarii ...	3.6	20 46	298
π Sagittarii ...	3.0	20 58	298
α^2 Capricorni ...	3.8	21 19	327
β Capricorni ...	3.3	21 38	317
δ Capricorni ...	3.0	23 14	312
ζ Capricorni ...	3.9	23 21	294

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Eridani ...	3·2	2 48	34
ε Leporis ...	3·3	3 7	63
53 Eridani ...	4·0	3 22	37
β Leporis ...	3·0	3 37	58
μ Leporis ...	3·3	3 44	44
α Leporis ...	2·7	3 55	49
β Canis Majoris	2·0	4 45	49
o ² Canis Majoris	3·1	5 0	66
α Canis Majoris	1·6	5 15	45
ρ Argus ...	2·9	6 2	67
ν Hydræ ...	3·3	9 24	42
δ Crateris ...	3·8	10 5	36
ε Corvi ...	3·2	10 11	62
β Corvi ...	2·8	10 33	64
γ Corvi ...	2·8	10 42	47
δ Corvi ...	3·1	11 3	43
γ Hydræ ...	3·3	11 18	64
α Libræ ...	2·9	13 25	42
δ Scorpii ...	2·5	14 0	63
β ¹ Scorpii ...	2·9	14 18	55
η Ophiuchi ...	2·6	15 46	41
μ Sagittarii ...	4·0	16 19	59
ξ Sagittarii ...	3·6	17 3	59
π Sagittarii ...	3·0	17 15	59
β Capricorni ...	3·3	19 0	39
α ² Capricorni ...	3·8	19 17	29
ζ Capricorni ...	3·9	19 25	64
δ Capricorni ...	3·0	20 17	45
c ² Aquarii ...	3·8	21 13	61
δ Aquarii ...	3·5	21 25	44
β Ceti ...	2·2	23 2	51

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
θ Eridani ...	3·0	0 16	104
α Horologii ...	3·8	1 30	108
α Doradus ...	3·5	1 55	134
α Reticuli ...	3·4	2 1	150
β Doradus ...	3·8	3 20	149
α Argus ...	0·9	3 41	128
τ Argus ...	2·8	4 6	124
α Pictoris ...	3·3	4 31	148
γ Argus ...	2·2	5 24	117
ε Argus ...	1·7	5 53	142
δ Argus ...	2·0	6 4	132
κ Argus ...	2·6	6 42	133
ι Argus ...	2·3	6 47	141
ν Velorum ...	3·0	6 55	137
q Carinæ ...	3·4	7 53	146
μ Argus ...	2·8	8 0	121
θ Argus ...	3·0	8 37	153
λ Centauri ...	3·3	9 20	150
δ Centauri ...	2·9	9 21	124
δ Crucis ...	3·1	9 41	140
γ Crucis ...	1·6	9 53	136
γ Centauri ...	2·4	9 54	120
β Crucis ...	1·1	10 10	150
β Crucis ...	1·5	10 16	142
ε Centauri ...	2·6	10 55	129
ζ Centauri ...	3·1	11 7	117
β Centauri ...	0·9	11 33	144
α Lupi ...	2·9	11 53	117
α Centauri ...	0·3	12 11	145
ζ Lupi ...	3·5	12 25	127
α Circini ...	3·4	12 38	155
β Triang. Aust.	3·0	13 39	151
ζ Aræ ...	3·1	14 16	135
β Aræ ...	2·8	14 41	134
α Aræ ...	3·0	14 42	123
α Telescopii ...	3·8	15 38	115
η Pavonis ...	3·6	15 40	155
α Pavonis ...	2·1	17 46	137
α Indi ...	3·2	17 49	118
α Gruis ...	2·2	19 20	118
α Tucanæ ...	2·9	19 51	145
β Gruis ...	2·2	19 55	118
ε Gruis ...	3·7	20 3	127
α Phœnicis ...	2·4	21 41	109
β Phœnicis ...	3·4	22 19	118
α Eridani ...	0·6	23 3	138
φ Eridani ...	3·8	23 33	127
α Hydri ...	3·0	23 40	148

LATITUDE 40° SOUTH.

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SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Tucanæ ...	2.9	0 35	215
α Gruis ...	2.2	0 46	242
β Gruis ...	2.2	1 21	242
ε Gruis ...	3.7	1 25	233
α <i>Phoenixis</i> ...	2.4	3 3	251
β <i>Phoenixis</i> ...	3.4	3 45	242
α Eridani ...	0.6	4 7	222
α Hydri ...	3.0	4 12	212
φ Eridani ...	3.8	4 55	233
θ <i>Eridani</i> ...	3.0	5 34	256
α Reticuli ...	3.4	6 25	210
α Doradus ...	3.5	7 9	226
β Doradus ...	3.8	7 46	211
α Argus ...	0.9	9 3	232
α Pictoris ...	3.3	9 3	212
τ Argus ...	2.8	9 30	236
ε Argus ...	1.7	10 49	218
γ Argus ...	2.2	10 50	243
δ Argus ...	2.0	11 20	228
ι Argus ...	2.3	11 43	219
κ Argus ...	2.6	11 58	227
ν Velorum ...	3.0	12 3	223
q Carinæ ...	3.4	12 35	214
θ Argus ...	3.0	12 43	207
μ Argus ...	2.8	13 26	239
λ Centauri ...	3.3	13 44	210
α Crucis ...	1.1	14 34	210
δ Crucis ...	3.1	14 41	220
δ Centauri ...	2.9	14 47	236
γ Crucis ...	1.6	15 1	224
β Crucis ...	1.5	15 10	218
γ Centauri ...	2.4	15 20	240
ε Centauri ...	2.6	16 15	231
β Centauri ...	0.9	16 23	216
ζ Centauri ...	3.1	16 33	243
α Circini ...	3.4	16 34	205
α Centauri ...	0.3	16 57	215
α Lupi ...	2.9	17 19	243
ζ Lupi ...	3.5	17 47	233
β Triang. Aust.	3.0	17 57	209
ζ Aræ ...	3.1	19 28	225
η Pavonis ...	3.6	19 36	205
β Aræ ...	2.8	19 55	226
α Aræ ...	3.0	20 8	237
α Telescopii ...	3.8	21 4	245
α Pavonis ...	2.1	22 52	223
α Indi ...	3.2	23 15	242

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 15	316
ε ² Aquarii ...	3.8	0 57	299
β Ceti ...	2.2	2 16	309
γ Eridani ...	3.2	5 0	326
53 Eridani ...	4.0	5 46	323
μ Leporis ...	3.3	6 34	316
ε Leporis ...	3.3	6 57	297
α Leporis ...	2.7	7 3	311
β Leporis ...	3.0	7 13	302
β Canis Majoris	2.0	7 53	311
α Canis Majoris	1.6	8 9	315
ο ² <i>Canis Majoris</i>	3.1	9 0	294
ρ <i>Argus</i> ...	2.9	10 6	293
ν Hydrae ...	3.3	12 8	318
δ Crateris ...	3.8	12 25	324
γ Corvi ...	2.8	13 42	313
δ Corvi ...	3.1	13 49	317
ε Corvi ...	3.2	14 1	298
β Corvi ...	2.8	14 27	296
γ Hydrae ...	3.3	15 10	296
α Librae ...	2.9	16 7	318
β ¹ Scorpii ...	2.9	17 44	305
δ Scorpii ...	2.5	17 50	297
η Ophiuchi ...	2.6	18 26	319
μ Sagittarii ...	4.0	19 59	301
ξ Sagittarii ...	3.6	20 43	301
π Sagittarii ...	3.0	20 55	301
α ² Capricorni ...	3.8	21 11	331
β Capricorni ...	3.3	21 32	321
δ Capricorni ...	3.0	23 9	315
ζ Capricorni ...	3.9	23 19	296

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Eridani ...	3.2	2 56	29
ε Leporis ...	3.3	3 10	60
53 Eridani ...	4.0	3 30	33
β Leporis ...	3.0	3 40	56
μ Leporis ...	3.3	3 50	40
α Leporis ...	2.7	4 0	46
β Canis Majoris	2.0	4 50	46
α ² Canis Majoris	3.1	5 3	64
α Canis Majoris	1.6	5 21	42
ξ Argus ...	3.5	5 45	66
ρ Argus ...	2.9	6 5	65
ν Hydræ ...	3.3	9 31	38
δ Crateris ...	3.8	10 13	32
ε Corvi ...	3.2	10 14	60
β Corvi ...	2.8	10 36	62
γ Corvi ...	2.8	10 47	44
δ Corvi ...	3.1	11 10	39
γ Hydræ ...	3.3	11 21	61
α Libræ ...	2.9	13 32	38
δ Scorpii ...	2.5	14 3	60
β ¹ Scorpii ...	2.9	14 22	52
η Ophiuchi ...	2.6	15 52	37
μ Sagittarii ...	4.0	16 23	56
ξ Sagittarii ...	3.6	17 6	57
π Sagittarii ...	3.0	17 18	57
β Capricorni ...	3.3	19 7	35
α ² Capricorni ...	3.8	19 27	23
ζ Capricorni ...	3.9	19 28	61
δ Capricorni ...	3.0	20 23	41
α ² Aquarii ...	3.8	21 16	58
δ Aquarii ...	3.5	21 31	40
β Ceti ...	2.2	23 7	48

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Horologii ...	3.8	1 29	107
α Doradus ...	3.5	1 50	132
α Reticuli... ..	3.4	1 52	148
β Doradus ...	3.8	3 11	147
α Argus ...	0.9	3 37	127
τ Argus ...	2.8	4 2	123
α Pictoris ...	3.3	4 22	146
γ Argus ...	2.2	5 21	116
ε Argus ...	1.7	5 47	140
δ Argus ...	2.0	5 59	131
κ Argus ...	2.6	6 37	131
ι Argus ...	2.3	6 40	140
ν Velorum ...	3.0	6 49	135
q Carinæ ...	3.4	7 46	144
μ Argus ...	2.8	7 57	120
θ Argus ...	3.0	8 27	151
λ Centauri ...	3.3	9 11	148
δ Centauri ...	2.9	9 18	122
δ Crucis ...	3.1	9 35	138
γ Crucis ...	1.6	9 47	135
γ Centauri ...	2.4	9 51	119
α Crucis ...	1.1	10 1	148
β Crucis ...	1.5	10 9	140
ε Centauri ...	2.6	10 51	128
ζ Centauri ...	3.1	11 4	115
β Centauri ...	0.9	11 26	142
α Lupi ...	2.9	11 50	116
α Centauri ...	0.3	12 4	143
ζ Lupi ...	3.5	12 21	125
α Circini ...	3.4	12 26	152
β Triang. Aust.	3.0	13 30	149
ζ Aræ ...	3.1	14 11	134
β Aræ ...	2.8	14 36	133
α Aræ ...	3.0	14 38	121
η Pavonis... ..	3.6	15 29	153
α Telescopii ...	3.8	15 36	114
α Pavonis... ..	2.1	17 40	136
α Indi ...	3.2	17 46	117
α Gruis ...	2.2	19 17	116
α Tucanæ... ..	2.9	19 44	144
β Gruis ...	2.2	19 52	116
ε Gruis ...	3.7	19 59	125
α Phœnicis ...	2.4	21 39	107
β Phœnicis ...	3.4	22 16	116
α Eridani ...	0.6	22 57	137
φ Eridani ...	3.8	23 29	126
α Hydri ...	3.0	23 32	146

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Tucanæ ...	2.9	0 42	216
α Gruis ...	2.2	0 49	244
β Gruis ...	2.2	1 24	244
ϵ Gruis ...	3.7	1 29	235
α <i>Phœnicis</i> ...	2.4	3 5	253
β <i>Phœnicis</i> ...	3.4	3 48	244
α Eridani ...	0.6	4 13	223
α Hydri ...	3.0	4 20	214
φ Eridani ...	3.8	4 59	234
α Reticuli... ..	3.4	6 34	212
α Doradus ...	3.5	7 14	228
β Doradus ...	3.8	7 55	213
α Argus ...	0.9	9 7	233
α Pictoris... ..	3.3	9 12	214
τ Argus ...	2.8	9 34	237
γ Argus ...	2.2	10 53	244
ϵ Argus ...	1.7	10 55	220
δ Argus ...	2.0	11 25	229
ι Argus ...	2.3	11 50	220
κ Argus ...	2.6	12 3	229
ν Velorum ...	3.0	12 9	225
q Carinæ ...	3.4	12 42	216
θ Argus ...	3.0	12 53	209
μ Argus ...	2.8	13 29	240
λ Centauri ...	3.3	13 53	212
α Crucis ...	1.1	14 43	212
δ Crucis ...	3.1	14 47	222
δ Centauri ...	2.9	14 50	238
γ Crucis ...	1.6	15 7	225
β Crucis ...	1.5	15 17	220
γ Centauri ...	2.4	15 23	241
ϵ Centauri ...	2.6	16 19	232
β Centauri ...	0.9	16 30	218
ζ Centauri ...	3.1	16 36	245
α Circini ...	3.4	16 46	208
α Centauri ...	0.3	17 4	217
α Lupi ...	2.9	17 22	244
ζ Lupi ...	3.5	17 51	235
β Triang. Aust.	3.0	18 6	211
ζ Aræ ...	3.1	19 33	226
η Pavonis... ..	3.6	19 47	207
β Aræ ...	2.8	20 0	227
α Aræ ...	3.0	20 12	239
α <i>Telescopii</i> ...	3.8	21 6	246
α Pavonis... ..	2.1	22 58	224
α Indi ...	3.2	23 18	243

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 9	320
ϵ^2 Aquarii ...	3.8	0 54	302
β Ceti ...	2.2	2 11	312
γ Eridani ...	3.2	4 52	331
53 Eridani ...	4.0	5 38	327
μ Leporis ...	3.3	6 28	320
ϵ Leporis ...	3.3	6 54	300
α Leporis ...	2.7	6 58	314
β Leporis ...	3.0	7 10	304
β Canis Majoris	2.0	7 48	314
α Canis Majoris	1.6	8 3	318
ϵ^2 Canis Majoris	3.1	8 57	296
ξ <i>Argus</i> ...	3.5	9 47	294
ρ Argus ...	2.9	10 3	295
α <i>Mali</i> ...	3.7	11 6	274
ν Hydræ ...	3.3	12 1	322
δ Crateris... ..	3.8	12 17	328
γ Corvi ...	2.8	13 37	316
δ Corvi ...	3.1	13 42	321
ϵ Corvi ...	3.2	13 58	300
β Corvi ...	2.8	14 24	298
γ Hydræ ...	3.3	15 7	299
α Libræ ...	2.9	16 0	322
β^1 Scorpii ...	2.9	17 40	308
δ Scorpii ...	2.5	17 47	300
η Ophiuchi ...	2.6	18 20	323
μ Sagittarii ...	4.0	19 55	304
ξ Sagittarii ...	3.6	20 40	303
π Sagittarii ...	3.0	20 52	303
α^2 <i>Capricorni</i> ...	3.8	21 1	337
β Capricorni ...	3.3	21 25	325
δ Capricorni ...	3.0	23 3	319
ζ Capricorni ...	3.9	23 16	299

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Eridani ...	3.2	3 6	24
ε Leporis ...	3.3	3 13	58
53 Eridani ...	4.0	3 39	28
β Leporis ...	3.0	3 44	53
μ Leporis ...	3.3	3 57	36
α Leporis ...	2.7	4 6	43
β Canis Majoris	2.0	4 56	43
α ² Canis Majoris	3.1	5 6	61
α Canis Majoris	1.6	5 28	38
ξ Argus ...	3.5	5 48	64
ρ Argus ...	2.9	6 8	62
ν Hydræ ...	3.3	9 39	34
ε Corvi ...	3.2	10 18	57
δ Crateris...	3.8	10 22	27
β Corvi ...	2.8	10 39	59
γ Corvi ...	2.8	10 54	40
δ Corvi ...	3.1	11 17	35
γ Hydræ ...	3.3	11 24	58
γ Scorpæ ...	3.4	12 59	65
α Libræ ...	2.9	13 39	34
δ Scorpæ ...	2.5	14 6	58
σ Scorpæ ...	3.1	14 14	66
β ¹ Scorpæ ...	2.9	14 27	49
θ Ophiuchi ...	3.4	15 17	65
η Ophiuchi ...	2.6	16 0	33
λ Sagittariæ ...	2.9	16 21	66
μ Sagittariæ ...	4.0	16 27	54
ξ Sagittariæ ...	3.6	17 10	54
π Sagittariæ ...	3.0	17 22	54
β Capricorni ...	3.3	19 16	30
ζ Capricorni ...	3.9	19 31	59
δ Capricorni ...	3.0	20 30	37
c ² Aquarii ...	3.8	21 20	55
δ Aquarii ...	3.5	21 38	36
β Ceti ...	2.2	23 12	45

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Horologii ...	3.8	1 28	105
α Reticuli...	3.4	1 44	146
α Doradus ...	3.5	1 45	131
β Doradus ...	3.8	3 3	146
α Argus ...	0.9	3 34	125
τ Argus ...	2.8	3 59	121
α Pictoris ...	3.3	4 15	144
γ Argus ...	2.2	5 19	114
ε Argus ...	1.7	5 41	138
δ Argus ...	2.0	5 55	129
κ Argus ...	2.6	6 33	130
ι Argus ...	2.3	6 34	138
ν Velorum ...	3.0	6 44	134
q Carinæ ...	3.4	7 39	142
μ Argus ...	2.8	7 54	118
θ Argus ...	3.0	8 18	149
λ Centauri ...	3.3	9 3	146
δ Centauri ...	2.9	9 15	121
δ Crucis ...	3.1	9 29	137
γ Crucis ...	1.6	9 42	133
γ Centauri ...	2.4	9 48	117
α Crucis ...	1.1	9 53	146
β Crucis ...	1.5	10 3	138
ε Centauri ...	2.6	10 47	126
β Centauri ...	0.9	11 20	140
α Lupi ...	2.9	11 48	114
α Centauri ...	0.3	11 57	141
α Circini ...	3.4	12 17	151
ζ Lupi ...	3.5	12 18	124
β Triang. Aust.	3.0	13 22	147
ζ Aræ ...	3.1	14 6	132
β Aræ ...	2.8	14 31	131
α Aræ ...	3.0	14 36	120
η Pavonis...	3.6	15 20	151
α Telescopii ...	3.8	15 34	112
α Pavonis...	2.1	17 34	134
α Indi ...	3.2	17 44	115
δ Pavonis...	3.6	17 54	155
β Pavonis...	3.6	18 32	155
α Gruis ...	2.2	19 15	115
α Tucanæ ...	2.9	19 37	142
β Gruis ...	2.2	19 50	115
ε Gruis ...	3.7	19 56	124
α Phœnicis ...	2.4	21 38	105
β Phœnicis ...	3.4	22 14	115
α Eridani ...	0.6	22 52	136
α Hydri ...	3.0	23 24	145
φ Eridani ...	3.8	23 26	124

SW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
α Tucanæ ...	2.9	0 49	218
α Gruis ...	2.2	0 51	245
β Gruis ...	2.2	1 26	245
ϵ Gruis ...	3.7	1 32	236
α Phœnicis ...	2.4	3 6	255
β Phœnicis ...	3.4	3 50	245
α Eridani ...	0.6	4 18	224
α Hydræ ...	3.0	4 28	215
φ Eridani ...	3.8	5 2	236
α Reticuli... ..	3.4	6 42	214
α Doradus ...	3.5	7 19	229
β Doradus ...	3.8	8 3	214
α Argus ...	0.9	9 10	235
α Pictoris ...	3.3	9 19	216
τ Argus ...	2.8	9 37	239
γ Argus ...	2.2	10 55	246
ϵ Argus ...	1.7	11 1	222
δ Argus ...	2.0	11 29	231
ι Argus ...	2.3	11 56	222
κ Argus ...	2.6	12 7	230
ν Velorum ...	3.0	12 14	226
η Carinæ ...	3.4	12 49	218
θ Argus ...	3.0	13 2	211
μ Argus ...	2.8	13 32	242
λ Centauri ...	3.3	14 1	214
α Crucis ...	1.1	14 51	214
δ Centauri ...	2.9	14 53	239
δ Crucis ...	3.1	14 53	223
γ Crucis ...	1.6	15 12	227
β Crucis ...	1.5	15 23	222
γ Centauri ...	2.4	15 26	243
ϵ Centauri ...	2.6	16 23	234
β Centauri ...	0.9	16 36	220
α Circini ...	3.4	16 55	209
α Centauri ...	0.3	17 11	219
α Lupi ...	2.9	17 24	246
ζ Lupi ...	3.5	17 54	236
β Triang. Aust.	3.0	18 14	213
ζ Aræ ...	3.1	19 38	228
η Pavonis... ..	3.6	19 56	209
β Aræ ...	2.8	20 5	229
α Aræ ...	3.0	20 14	240
α Telescopii ...	3.8	21 8	248
δ Pavonis... ..	3.6	22 8	205
β Pavonis... ..	3.6	22 44	205
α Pavonis... ..	2.1	23 4	226
α Indi ...	3.2	23 20	245

NW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
δ Aquarii ...	3.5	0 2	324
ϵ^2 Aquarii ...	3.8	0 50	305
β Ceti ...	2.2	2 6	315
γ Eridani ...	3.2	4 42	336
53 Eridani ...	4.0	5 29	332
μ Leporis ...	3.3	6 21	324
ϵ Leporis ...	3.3	6 51	302
α Leporis ...	2.7	6 52	317
β Leporis ...	3.0	7 6	307
β Canis Majoris	2.0	7 42	317
α Canis Majoris	1.6	7 56	322
ϵ^2 Canis Majoris	3.1	8 54	299
ξ Argus ...	3.5	9 44	296
ρ Argus ...	2.9	10 0	298
α Mali ...	3.7	11 6	275
ν Hydræ ...	3.3	11 53	326
δ Crateris... ..	3.8	12 8	333
γ Corvi ...	2.8	13 30	320
δ Corvi ...	3.1	13 35	325
ϵ Corvi ...	3.2	13 54	303
β Corvi ...	2.8	14 21	301
γ Hydræ ...	3.3	15 4	302
α Libræ ...	2.9	15 53	326
γ Scorpii ...	3.4	16 59	295
β^1 Scorpii ...	2.9	17 35	311
δ Scorpii ...	2.5	17 44	302
η Ophiuchi ...	2.6	18 12	327
σ Scorpii ...	3.1	18 18	294
θ Ophiuchi ...	3.4	19 17	295
μ Sagittarii ...	4.0	19 51	306
λ Sagittarii ...	2.9	20 25	294
ξ Sagittarii ...	3.6	20 36	306
π Sagittarii ...	3.0	20 48	306
β Capricorni ...	3.3	21 16	330
δ Capricorni ...	3.0	22 56	323
ζ Capricorni ...	3.9	23 13	301

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ε Leporis ...	3.3	3 16	55
β Leporis ...	3.0	3 48	50
53 Eridani ...	4.0	3 50	22
μ Leporis ...	3.3	4 5	32
α Leporis ...	2.7	4 12	39
β Canis Majoris	2.0	5 2	39
δ Canis Majoris	2.0	5 2	66
α ² Canis Majoris	3.1	5 9	59
α Canis Majoris	-1.6	5 35	34
ξ Argus ...	3.5	5 51	61
ρ Argus ...	2.9	6 11	60
ν Hydræ ...	3.3	9 47	30
ε Corvi ...	3.2	10 22	54
δ Crateris ...	3.8	10 35	20
β Corvi ...	2.8	10 42	56
γ Corvi ...	2.8	11 1	36
δ Corvi ...	3.1	11 25	31
γ Hydræ ...	3.3	11 27	56
π Hydræ ...	3.5	11 59	66
γ Scorpil ...	3.4	13 2	63
α Libræ ...	2.9	13 48	29
π Scorpil ...	3.0	13 53	65
δ Scorpil ...	2.5	14 10	55
σ Scorpil ...	3.1	14 17	64
α Scorpil ...	1.2	14 22	66
β ¹ Scorpil ...	2.9	14 32	46
θ Ophiuchi ...	3.4	15 20	62
η Ophiuchi ...	2.6	16 9	28
λ Sagittarii ...	2.9	16 24	64
μ Sagittarii ...	4.0	16 31	51
σ Sagittarii ...	2.1	16 47	67
ξ Sagittarii ...	3.6	17 14	51
π Sagittarii ...	3.0	17 26	51
β Capricorni ...	3.3	19 26	25
ζ Capricorni ...	3.9	19 35	56
δ Capricorni ...	3.0	20 37	33
α ² Aquarii ...	3.8	21 24	53
δ Aquarii ...	3.5	21 46	32
β Ceti ...	2.2	23 18	41

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Reticuli...	3.4	1 37	145
α Doradus ...	3.5	1 40	129
β Doradus ...	3.8	2 56	144
α Argus ...	-0.9	3 30	124
τ Argus ...	2.8	3 56	120
α Pictoris ...	3.3	4 8	143
ε Argus ...	1.7	5 35	137
δ Argus ...	2.0	5 50	127
κ Argus ...	2.6	6 28	128
ι Argus ...	2.3	6 29	136
ν Velorum ...	3.0	6 39	132
q Carinæ ...	3.4	7 32	141
μ Argus ...	2.8	7 51	117
θ Argus ...	3.0	8 9	147
λ Centauri ...	3.3	8 56	144
δ Centauri ...	2.9	9 12	119
δ Crucis ...	3.1	9 23	135
γ Crucis ...	1.6	9 37	132
α Crucis ...	1.1	9 45	144
γ Centauri ...	2.4	9 45	116
β Crucis ...	1.5	9 57	137
ε Centauri ...	2.6	10 43	125
β Centauri ...	0.9	11 14	139
α Centauri ...	0.3	11 51	140
α Circini ...	3.4	12 8	149
ζ Lupi ...	3.5	12 14	122
β Triang. Aust.	3.0	13 14	146
ζ Aræ ...	3.1	14 1	130
β Aræ ...	2.8	14 27	129
α Aræ ...	3.0	14 33	118
η Pavonis...	3.6	15 11	149
α Telescopii ...	3.8	15 32	111
α Pavonis...	2.1	17 29	133
δ Pavonis...	3.6	17 43	153
β Pavonis...	3.6	18 21	153
α Tucanæ ...	2.9	19 31	140
ε Gruis ...	3.7	19 52	122
α Phœnicis ...	2.4	21 36	104
β Phœnicis ...	3.4	22 12	113
α Eridani ...	0.6	22 47	134
α Hydri ...	3.0	23 17	143
φ Eridani ...	3.8	23 22	122

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Tucanæ ...	2.9	0 55	220
ϵ Gruis ...	3.7	1 36	238
α Phœnicis ...	2.4	3 8	256
β Phœnicis ...	3.4	3 52	247
α Eridani ...	0.6	4 23	226
α Hydri ...	3.0	4 35	217
φ Eridani ...	3.8	5 6	238
α Reticuli ...	3.4	6 49	215
α Doradus ...	3.5	7 24	231
β Doradus ...	3.8	8 10	216
α Argus ...	0.9	9 14	236
α Pictoris ...	3.3	9 26	217
τ Argus ...	2.8	9 40	240
ϵ Argus ...	1.7	11 7	223
δ Argus ...	2.0	11 34	233
ι Argus ...	2.3	12 1	224
κ Argus ...	2.6	12 12	232
ν Velorum ...	3.0	12 19	228
q Carinæ ...	3.4	12 56	219
θ Argus ...	3.0	13 11	213
μ Argus ...	2.8	13 35	243
λ Centauri ...	3.3	14 9	216
δ Centauri ...	2.9	14 56	241
α Crucis ...	1.1	14 59	216
δ Crucis ...	3.1	14 59	225
γ Crucis ...	1.6	15 17	228
γ Centauri ...	2.4	15 29	244
β Crucis ...	1.5	15 29	223
ϵ Centauri ...	2.6	16 27	235
β Centauri ...	0.9	16 42	221
α Circini ...	3.4	17 4	211
α Centauri ...	0.3	17 17	220
ζ Lupi ...	3.5	17 58	238
β Triang. Aust. ...	3.0	18 22	214
ζ Aræ ...	3.1	19 43	230
η Pavonis ...	3.6	20 5	211
β Aræ ...	2.8	20 9	231
α Aræ ...	3.0	20 17	242
α Telescopii ...	3.8	21 10	249
δ Pavonis ...	3.6	22 19	207
β Pavonis ...	3.6	22 55	207
α Pavonis ...	2.1	23 9	227

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α^2 Aquarii ...	3.8	0 46	307
β Ceti ...	2.2	2 0	319
53 Eridani ...	4.0	5 18	338
μ Leporis ...	3.3	6 13	328
α Leporis ...	2.7	6 46	321
ϵ Leporis ...	3.3	6 48	305
β Leporis ...	3.0	7 2	310
β Canis Majoris ...	2.0	7 36	321
α Canis Majoris ...	1.6	7 49	326
α^2 Canis Majoris ...	3.1	8 51	301
δ Canis Majoris ...	2.0	9 8	294
ξ Argus ...	3.5	9 41	299
ρ Argus ...	2.9	9 57	300
α Mali ...	3.7	11 5	277
ν Hydræ ...	3.3	11 45	330
δ Crateris ...	3.8	11 55	340
γ Corvi ...	2.8	13 23	324
δ Corvi ...	3.1	13 27	329
ϵ Corvi ...	3.2	13 50	306
β Corvi ...	2.8	14 18	304
γ Hydræ ...	3.3	15 1	304
α Libræ ...	2.9	15 44	331
π Hydræ ...	3.5	16 6	294
γ Scorpii ...	3.4	16 56	297
β^1 Scorpii ...	2.9	17 30	314
δ Scorpii ...	2.5	17 40	305
π Scorpii ...	3.0	17 55	295
η Ophiuchi ...	2.6	18 3	332
σ Scorpii ...	3.1	18 15	296
α Scorpii ...	1.2	18 26	294
θ Ophiuchi ...	3.4	19 14	298
μ Sagittarii ...	4.0	19 47	309
λ Sagittarii ...	2.9	20 22	296
ξ Sagittarii ...	3.6	20 32	309
π Sagittarii ...	3.0	20 44	309
σ Sagittarii ...	2.1	20 53	293
β Capricorni ...	3.3	21 6	335
δ Capricorni ...	3.0	22 49	327
ζ Capricorni ...	3.9	23 9	304
δ Aquarii ...	3.5	23 54	328

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ν^4 Eridani ...	3.6	1 48	83
ϵ Leporis ...	3.3	3 20	53
β Leporis ...	3.0	3 53	47
μ Leporis ...	3.3	4 15	27
α Leporis ...	2.7	4 19	35
δ Canis Majoris	2.0	5 5	64
β Canis Majoris	2.0	5 9	35
α^2 Canis Majoris	3.1	5 12	56
α Canis Majoris	1.6	5 44	29
ξ Argus ...	3.5	5 54	59
ρ Argus ...	2.9	6 14	58
ν Hydræ ...	3.3	9 57	24
ϵ Corvi ...	3.2	10 26	52
β Corvi ...	2.8	10 46	54
γ Corvi ...	2.8	11 10	31
γ Hydræ ...	3.3	11 31	53
δ Corvi ...	3.1	11 35	25
π Hydræ ...	3.5	12 2	64
γ Scorpii ...	3.4	13 5	60
π Scorpii ...	3.0	13 56	63
α Libræ ...	2.9	13 59	23
δ Scorpii ...	2.5	14 14	52
σ Scorpii ...	3.1	14 20	61
α Scorpii ...	1.2	14 24	64
β^1 Scorpii ...	2.9	14 37	42
θ Ophiuchi ...	3.4	15 23	60
η Ophiuchi ...	2.6	16 22	23
λ Sagittarii ...	2.9	16 27	62
μ Sagittarii ...	4.0	16 35	48
ϕ Sagittarii ...	3.3	16 37	66
σ Sagittarii ...	2.1	16 49	64
ξ Sagittarii ...	3.6	17 19	48
π Sagittarii ...	3.0	17 31	48
ζ Capricorni ...	3.9	19 39	53
δ Capricorni ...	3.0	20 46	28
α^2 Aquarii ...	3.8	21 28	50
δ Aquarii ...	3.5	21 56	27
β Ceti ...	2.2	23 25	37

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Reticuli...	3.4	1 29	143
α Doradus ...	3.5	1 36	128
β Doradus ...	3.8	2 48	142
α Argus ...	0.9	3 26	122
τ Argus ...	2.8	3 53	118
α Pictoris ...	3.3	4 1	141
δ Volantis ...	4.0	4 57	154
ϵ Argus ...	1.7	5 29	135
δ Argus ...	2.0	5 45	126
ι Argus ...	2.3	6 23	135
κ Argus ...	2.6	6 24	127
ν Velorum ...	3.0	6 34	131
η Carinæ ...	3.4	7 25	139
μ Argus ...	2.8	7 49	115
θ Argus ...	3.0	8 0	146
λ Centauri ...	3.3	8 48	143
δ Centauri ...	2.9	9 9	118
δ Crucis ...	3.1	9 18	134
γ Crucis ...	1.6	9 32	130
α Crucis ...	1.1	9 38	143
γ Centauri ...	2.4	9 43	114
β Crucis ...	1.5	9 51	135
β Muscæ ...	3.3	10 21	154
ϵ Centauri ...	2.6	10 38	123
β Centauri ...	0.9	11 8	137
α Centauri ...	0.3	11 45	138
α Circini ...	3.4	11 58	147
ζ Lupi ...	3.5	12 10	121
γ Triang. Aust.	3.1	12 54	155
β Triang. Aust.	3.0	13 5	144
ζ Aræ ...	3.1	13 56	129
β Aræ ...	2.8	14 22	128
α Aræ ...	3.0	14 30	117
η Pavonis...	3.6	15 1	147
α Telescopii ...	3.8	15 30	109
α Pavonis...	2.1	17 24	131
δ Pavonis...	3.6	17 32	151
β Pavonis...	3.6	18 10	151
α Tucanæ ...	2.9	19 24	139
ϵ Gruis ...	3.7	19 48	121
α Phœnicis ...	2.4	21 35	102
β Phœnicis ...	3.4	22 10	112
α Eridani ...	0.6	22 41	133
α Hydri ...	3.0	23 10	141
ϕ Eridani ...	3.8	23 18	121

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Tucanæ ...	2.9	1 2	221
ϵ Gruis ...	3.7	1 40	239
α Phœnicis ...	2.4	3 9	258
β Phœnicis ...	3.4	3 54	248
α Eridani ...	0.6	4 29	227
α Hydri ...	3.0	4 42	219
φ Eridani ...	3.8	5 10	239
α Reticuli ...	3.4	6 57	217
α Doradus ...	3.5	7 28	232
β Doradus ...	3.8	8 18	218
α Argus ...	0.9	9 18	238
α Pictoris ...	3.3	9 33	219
δ Volantis ...	4.0	9 37	206
τ Argus ...	2.8	9 43	242
ϵ Argus ...	1.7	11 13	225
δ Argus ...	2.0	11 39	234
ι Argus ...	2.3	12 7	225
κ Argus ...	2.6	12 16	233
ν Velorum ...	3.0	12 24	229
η Carinæ ...	3.4	13 3	221
θ Argus ...	3.0	13 20	214
μ Argus ...	2.8	13 37	245
λ Centauri ...	3.3	14 16	217
δ Centauri ...	2.9	14 59	242
α Crucis ...	1.1	15 6	217
β Muscæ ...	3.3	15 1	206
δ Crucis ...	3.1	15 4	226
γ Crucis ...	1.6	15 22	330
γ Centauri ...	2.4	15 31	246
β Crucis ...	1.5	15 35	225
ϵ Centauri ...	2.6	16 32	237
β Centauri ...	0.9	16 48	223
α Circini ...	3.4	17 14	213
α Centauri ...	0.3	17 23	222
γ Triang. Aust. ...	3.1	17 28	205
ζ Lupi ...	3.5	18 2	239
β Triang. Aust. ...	3.0	18 30	216
ζ Aræ ...	3.1	19 48	231
β Aræ ...	2.8	20 14	232
η Pavonis... ..	3.6	20 15	213
α Aræ ...	3.0	20 20	243
α Telescopii ...	3.8	21 12	251
δ Pavonis... ..	3.6	22 30	209
β Pavonis... ..	3.6	23 6	209
α Pavonis... ..	2.1	23 14	229

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α^2 Aquarii ...	3.8	0 42	310
β Ceti ...	2.2	1 53	323
53 Eridani ...	4.0	5 0	347
μ Leporis ...	3.3	6 3	333
α Leporis ...	2.7	6 39	325
ϵ Leporis ...	3.3	6 44	307
β Leporis ...	3.0	6 57	313
β Canis Majoris	2.0	7 29	325
α Canis Majoris	1.6	7 40	331
α^2 Canis Majoris	3.1	8 48	304
δ Canis Majoris	2.0	9 5	296
ξ Argus ...	3.5	9 38	301
ρ Argus ...	2.9	9 54	302
α Mali ...	3.7	11 4	279
ν Hydræ ...	3.3	11 35	336
γ Corvi ...	2.8	13 14	329
δ Corvi ...	3.1	13 17	335
ϵ Corvi ...	3.2	13 46	308
β Corvi ...	2.8	14 14	306
γ Hydræ ...	3.3	14 57	307
α Libræ ...	2.9	15 33	337
π Hydræ ...	3.5	16 2	296
γ Scorpii ...	3.4	16 53	300
β^1 Scorpii ...	2.9	17 25	318
δ Scorpii ...	2.5	17 36	308
η Ophiuchi ...	2.6	17 50	337
π Scorpii ...	3.0	17 52	297
σ Scorpii ...	3.1	18 12	299
α Scorpii ...	1.2	18 24	296
θ Ophiuchi ...	3.4	19 11	300
μ Sagittarii ...	4.0	19 43	312
λ Sagittarii ...	2.9	20 19	298
ξ Sagittarii ...	3.6	20 27	312
π Sagittarii ...	3.0	20 39	312
φ Sagittarii ...	3.3	20 45	294
σ Sagittarii ...	2.1	20 51	296
δ Capricorni ...	3.0	22 40	332
ζ Capricorni ...	3.9	23 5	307
δ Aquarii ...	3.5	23 44	333

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ν^4 Eridani ...	3.6	1 49	81
ϵ Leporis ...	3.3	3 25	50
β Leporis ...	3.0	3 58	43
μ Leporis ...	3.3	4 27	20
α Leporis ...	2.7	4 28	30
22 Canis Majoris	3.7	4 54	66
δ Canis Majoris	2.0	5 8	62
α^2 Canis Majoris	3.1	5 16	53
β Canis Majoris	2.0	5 18	30
α Canis Majoris	-1.6	5 55	23
ξ Argus ...	3.5	5 57	56
ρ Argus ...	2.9	6 18	55
ϵ Corvi ...	3.2	10 31	49
β Corvi ...	2.8	10 50	51
γ Corvi ...	2.8	11 19	26
γ Hydræ ...	3.3	11 35	50
π Hydræ ...	3.5	12 5	62
γ Scorpii ...	3.4	13 8	58
π Scorpii ...	3.0	13 59	60
δ Scorpii ...	2.5	14 18	49
σ Scorpii ...	3.1	14 23	59
τ Scorpii ...	2.9	14 26	66
α Scorpii ...	1.2	14 27	61
β^1 Scorpii ...	2.9	14 44	38
θ Ophiuchi ...	3.4	15 26	57
λ Sagittarii ...	2.9	16 30	59
μ Sagittarii ...	4.0	16 40	45
ϕ Sagittarii ...	3.3	16 40	64
σ Sagittarii ...	2.1	16 52	62
τ Sagittarii ...	3.4	16 58	66
ξ Sagittarii ...	3.6	17 24	45
π Sagittarii ...	3.0	17 36	45
ζ Capricorni ...	3.9	19 43	50
δ Capricorni ...	3.0	20 58	22
α^2 Aquarii ...	3.8	21 33	46
δ Aquarii ...	3.5	22 8	20
β Ceti ...	2.2	23 33	33

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Reticuli...	3.4	1 22	142
α Doradus ...	3.5	1 32	126
β Doradus ...	3.8	2 41	141
α Argus ...	-0.9	3 22	121
τ Argus ...	2.8	3 50	117
α Pictoris ...	3.3	3 54	139
δ Volantis ...	4.0	4 47	152
ϵ Argus ...	1.7	5 24	134
δ Argus ...	2.0	5 42	125
ι Argus ...	2.3	6 18	134
κ Argus ...	2.6	6 20	125
ν Velorum ...	3.0	6 30	129
q Carinæ ...	3.4	7 19	138
θ Argus ...	3.0	7 52	144
λ Centauri ...	3.3	8 41	141
δ Centauri ...	2.9	9 6	116
δ Crucis ...	3.1	9 13	132
γ Crucis ...	1.6	9 28	129
α Crucis ...	1.1	9 31	141
β Crucis ...	1.5	9 46	134
α Muscæ ...	2.9	10 8	155
β Muscæ ...	3.3	10 10	152
ϵ Centauri ...	2.6	10 35	122
β Centauri ...	0.9	11 2	136
α Centauri ...	0.3	11 39	137
α Circini ...	3.4	11 50	145
ζ Lupi ...	3.5	12 7	119
γ Triang. Aust.	3.1	12 44	154
β Triang. Aust.	3.0	12 58	142
ζ Aræ ...	3.1	13 52	128
α Triang. Aust.	1.9	14 17	155
β Aræ ...	2.8	14 18	127
α Aræ ...	3.0	14 28	115
η Pavonis...	3.6	14 53	146
α Pavonis...	2.1	17 20	130
δ Pavonis...	3.6	17 23	149
β Pavonis...	3.6	18 0	149
α Tucanæ ...	2.9	19 18	137
ϵ Gruis ...	3.7	19 45	119
α Phœnicis ...	2.4	21 34	101
β Phœnicis ...	3.4	22 7	110
α Eridani ...	0.6	22 36	131
α Hydri ...	3.0	23 3	140
ϕ Eridani ...	3.8	23 15	120

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Tucanæ... ..	2.9	1 8	223
ϵ Gruis	3.7	1 43	241
α <i>Phœnicis</i>	2.4	3 10	259
β <i>Phœnicis</i>	3.4	3 57	250
α Eridani	0.6	4 34	229
α Hydri	3.0	4 49	220
φ Eridani	3.8	5 13	240
α Reticuli	3.4	7 4	218
α Doradus	3.5	7 32	234
β Doradus	3.8	8 25	219
α Argus	0.9	9 22	239
α Pictoris	3.3	9 40	221
τ Argus	2.8	9 46	243
δ Volantis	4.0	9 47	208
ϵ Argus	1.7	11 18	226
δ Argus	2.0	11 42	235
ι Argus	2.3	12 12	226
κ Argus	2.6	12 20	235
ν Velorum	3.0	12 28	231
q Carinæ	3.4	13 9	222
θ Argus	3.0	13 28	216
λ Centauri	3.3	14 23	219
α Muscæ	2.9	14 56	205
δ Centauri	2.9	15 2	244
δ Crucis	3.1	15 9	228
β Muscæ	3.3	15 12	208
α Crucis	1.1	15 13	219
γ Crucis	1.6	15 26	231
β Crucis	1.5	15 40	226
ϵ Centauri	2.6	16 35	238
β Centauri	0.9	16 54	224
α Circini	3.4	17 22	215
α Centauri	0.3	17 29	223
γ Triang. Aust.	3.1	17 38	206
ζ Lupi	3.5	18 5	241
β Triang. Aust.	3.0	18 38	218
α Triang. Aust.	1.9	19 3	205
ζ Aræ	3.1	19 52	232
β Aræ	2.8	20 18	233
α Aræ	3.0	20 22	245
η Pavonis... ..	3.6	20 23	214
δ Pavonis... ..	3.6	22 39	211
β Pavonis... ..	3.6	23 16	211
α Pavonis... ..	2.1	23 18	230

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
c^2 Aquarii	3.8	0 37	314
β Ceti	2.2	1 45	327
μ Leporis	3.3	5 51	310
α Leporis	2.7	6 30	330
ϵ Leporis	3.3	6 39	310
β Leporis	3.0	6 52	317
β Canis Majoris	2.0	7 20	330
α <i>Canis Majoris</i>	-1.6	7 29	337
o^2 Canis Majoris	3.1	8 44	307
22 <i>Canis Majoris</i>	3.7	9 2	294
δ Canis Majoris	2.0	9 2	298
ξ Argus	3.5	9 35	304
ρ Argus	2.9	9 50	305
a <i>Mali</i>	3.7	11 3	281
γ Corvi	2.8	13 5	334
ϵ Corvi	3.2	13 41	311
β Corvi	2.8	14 10	309
γ Hydræ	3.3	14 53	310
π Hydræ	3.5	15 59	298
γ Scorpii	3.4	16 50	302
β^1 Scorpii	2.9	17 18	322
δ Scorpii	2.5	17 32	311
π Scorpii	3.0	17 49	300
σ Scorpii	3.1	18 9	301
α Scorpii	1.2	18 21	299
τ <i>Scorpii</i>	2.9	18 36	294
θ Ophiuchi	3.4	19 8	303
μ Sagittarii	4.0	19 38	315
λ Sagittarii	2.9	20 16	301
ξ Sagittarii	3.6	20 22	315
π Sagittarii	3.0	20 34	315
φ Sagittarii	3.3	20 42	296
σ Sagittarii	2.1	20 48	298
τ <i>Sagittarii</i>	3.4	21 6	294
δ <i>Capricorni</i>	3.0	22 28	338
ζ Capricorni	3.9	23 1	310
δ <i>Aquarii</i>	3.5	23 32	310

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
ν^4 Eridani ...	3.6	1 50	79
α Columbae ...	2.7	3 11	80
ϵ Leporis ...	3.3	3 31	46
β Leporis ...	3.0	4 5	39
α Leporis ...	2.7	4 38	25
ϵ Canis Majoris	1.6	4 49	66
22 Canis Majoris	3.7	4 57	63
δ Canis Majoris	2.0	5 11	59
α^2 Canis Majoris	3.1	5 20	50
β Canis Majoris	2.0	5 28	25
ξ Argus ...	3.5	6 1	53
ρ Argus ...	2.9	6 22	52
ϵ Corvi ...	3.2	10 36	45
β Corvi ...	2.8	10 55	48
γ Corvi ...	2.8	11 32	20
γ Hydræ ...	3.3	11 40	47
π Hydræ ...	3.5	12 8	59
γ Scorpii ...	3.4	13 12	55
π Scorpii ...	3.0	14 2	58
δ Scorpii ...	2.5	14 23	46
σ Scorpii ...	3.1	14 27	56
τ Scorpii ...	2.9	14 29	64
α Scorpii ...	1.2	14 31	58
β^1 Scorpii ...	2.9	14 52	34
θ Ophiuchi ...	3.4	15 30	54
λ Sagittarii ...	2.9	16 33	56
ϕ Sagittarii ...	3.3	16 43	61
μ Sagittarii ...	4.0	16 47	41
σ Sagittarii ...	2.1	16 56	59
τ Sagittarii ...	3.4	17 1	63
ξ Sagittarii ...	3.6	17 30	41
π Sagittarii ...	3.0	17 42	41
ζ Capricorni ...	3.9	19 48	47
α Piscis Australis	1.3	20 41	70
α^2 Aquarii ...	3.8	21 39	43
β Ceti ...	2.2	23 42	28

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Reticuli...	3.4	1 15	140
α Doradus ...	3.5	1 28	125
β Doradus ...	3.8	2 35	139
α Argus ...	0.9	3 19	120
τ Argus ...	2.8	3 47	115
α Pretoris...	3.3	3 48	138
δ Volantis ...	4.0	4 37	151
ϵ Argus ...	1.7	5 19	133
δ Argus ...	2.0	5 38	123
ι Argus ...	2.3	6 12	132
κ Argus ...	2.6	6 16	124
ν Velorum ...	3.0	6 26	128
β Argus ...	1.8	6 41	154
q Carinae ...	3.4	7 13	136
θ Argus ...	3.0	7 45	143
λ Centauri ...	3.3	8 34	140
δ Centauri ...	2.9	9 3	115
δ Crucis ...	3.1	9 8	131
α Crucis ...	1.1	9 24	140
γ Crucis ...	1.6	9 24	128
β Crucis ...	1.5	9 41	133
α Muscae ...	2.9	9 56	153
β Muscae ...	3.3	10 0	150
ϵ Centauri ...	2.6	10 32	120
β Centauri ...	0.9	10 56	134
α Centauri ...	0.3	11 33	135
α Circini ...	3.4	11 43	144
ζ Lupi ...	3.5	12 4	118
γ Triang. Aust.	3.1	12 34	152
β Triang. Aust.	3.0	12 51	141
ζ Aræ ...	3.1	13 48	126
α Triang. Aust.	1.9	14 6	153
β Aræ ...	2.8	14 14	125
η Pavonis...	3.6	14 45	144
δ Pavonis...	3.6	17 14	148
α Pavonis...	2.1	17 16	128
β Pavonis...	3.6	17 51	148
α Tucanæ...	2.9	19 12	136
ϵ Gruis ...	3.7	19 42	118
β Phœnicis ...	3.4	22 5	109
α Eridani ...	0.6	22 32	130
α Hydri ...	3.0	22 57	138
ϕ Eridani ...	3.8	23 12	118

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Tucanæ... ..	2.9	1 14	224
ϵ Gruis	3.7	1 46	242
β Phœnicis	3.4	3 59	251
α Eridani	0.6	4 38	230
α Hydri	3.0	4 55	222
φ Eridani	3.8	5 16	242
α Reticuli... ..	3.4	7 11	220
α Doradus	3.5	7 36	235
β Doradus	3.8	8 31	221
α Argus	0.9	9 25	240
α Pictoris	3.3	9 46	222
τ Argus	2.8	9 49	245
δ Volantis	4.0	9 57	209
ϵ Argus	1.7	11 23	227
β Argus	1.8	11 44	206
δ Argus	2.0	11 46	237
ι Argus	2.3	12 18	228
κ Argus	2.6	12 24	236
ν Velorum	3.0	12 32	232
η Carinæ	3.4	13 15	224
θ Argus	3.0	13 35	217
λ Centauri	3.3	14 30	220
δ Centauri	2.9	15 5	245
α Muscæ	2.9	15 8	207
δ Crucis	3.1	15 14	229
α Crucis	1.1	15 20	220
β Muscæ	3.3	15 22	210
γ Crucis	1.6	15 30	232
β Crucis	1.5	15 45	227
ϵ Centauri	2.6	16 38	240
β Centauri	0.9	17 0	226
α Circini	3.4	17 29	216
α Centauri	0.3	17 35	225
γ Triang. Aust.	3.1	17 48	208
ζ Lupi	3.5	18 8	242
β Triang. Aust.	3.0	18 45	219
α Triang. Aust.	1.9	19 14	207
ζ Aræ	3.1	19 56	234
β Aræ	2.8	20 22	235
η Pavonis... ..	3.6	20 31	216
δ Pavonis... ..	3.6	22 48	212
α Pavonis... ..	2.1	23 22	232
β Pavonis... ..	3.6	23 25	212

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
c^2 Aquarii	3.8	0 31	317
α Piscis Australis	1.3	1 5	290
β Ceti	2.2	1 36	332
α Leporis	2.7	6 20	335
ϵ Leporis	3.3	6 33	314
β Leporis	3.0	6 45	321
β Canis Majoris	2.0	7 10	335
α Columbæ	2.7	8 3	280
o^2 Canis Majoris	3.1	8 40	310
22 Canis Majoris	3.7	8 59	297
δ Canis Majoris	2.0	8 59	301
ϵ Canis Majoris	1.6	9 1	294
ξ Argus	3.5	9 31	307
ρ Argus	2.9	9 46	308
a Mali	3.7	11 2	283
ϵ Corvi	3.2	13 36	315
γ Corvi	2.8	13 52	340
β Corvi	2.8	14 5	312
γ Hydræ	3.3	14 48	313
π Hydræ	3.5	15 56	301
γ Scorpii	3.4	16 46	305
β^1 Scorpii	2.9	17 10	326
δ Scorpii	2.5	17 27	214
π Scorpii	3.0	17 46	302
σ Scorpii	3.1	18 5	304
α Scorpii	1.2	18 17	302
τ Scorpii	2.9	18 33	296
θ Ophiuchi	3.4	19 4	306
μ Sagittarii	4.0	19 31	319
λ Sagittarii	2.9	20 13	304
ξ Sagittarii	3.6	20 16	319
π Sagittarii	3.0	20 28	319
φ Sagittarii	3.3	20 39	299
σ Sagittarii	2.1	20 44	301
τ Sagittarii	3.4	21 3	297
ζ Capricorni	3.9	22 56	313

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
υ ⁴ Eridani ...	3.6	1 51	77
α Columbae ...	2.7	3 12	78
ε Leporis ...	3.3	3 37	42
ζ Canis Majoris	3.1	4 8	67
β Leporis ...	3.0	4 14	35
ε Canis Majoris	1.6	4 52	64
22 Canis Majoris	3.7	5 0	61
δ Canis Majoris	2.0	5 15	56
η Canis Majoris	2.4	5 16	65
ο ² Canis Majoris	3.1	5 25	47
ξ Argus ...	3.5	6 5	50
ρ Argus ...	2.9	6 26	49
ε Corvi ...	3.2	10 42	41
β Corvi ...	2.8	11 1	44
γ Hydræ ...	3.3	11 46	43
π Hydræ ...	3.5	12 11	56
γ Scorpīi ...	3.4	13 16	52
π Scorpīi ...	3.0	14 6	55
δ Scorpīi ...	2.5	14 30	42
σ Scorpīi ...	3.1	14 31	53
τ Scorpīi ...	2.9	14 32	61
α Scorpīi ...	1.2	14 34	56
β ¹ Scorpīi ...	2.9	15 1	29
θ Ophiuchi ...	3.4	15 34	52
δ Sagittarii ...	2.8	16 8	67
λ Sagittarii ...	2.9	16 37	54
φ Sagittarii ...	3.3	16 46	59
μ Sagittarii ...	4.0	16 55	37
σ Sagittarii ...	2.1	16 59	56
τ Sagittarii ...	3.4	17 4	61
ξ Sagittarii ...	3.6	17 38	37
π Sagittarii ...	3.0	17 50	37
ζ Capricorni ...	3.9	19 53	44
α Piscis Australis	1.3	20 44	67
c ² Aquarii ...	3.8	21 46	39
β Ceti ...	2.2	23 55	22

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Reticuli... ..	3.4	1 8	138
α Doradus ...	3.5	1 24	123
β Doradus ...	3.8	2 28	138
α Argus ...	0.9	3 16	118
α Pictoris ...	3.3	3 41	137
δ Volantis... ..	4.0	4 27	149
ε Argus ...	1.7	5 13	131
δ Argus ...	2.0	5 34	122
ι Argus ...	2.3	6 7	131
x Argus ...	2.6	6 12	122
n Velorum ...	3.0	6 21	126
β Argus ...	1.8	6 28	152
q Carinae ...	3.4	7 7	135
θ Argus ...	3.0	7 38	141
λ Centauri ...	3.3	8 27	138
δ Crucis ...	3.1	9 3	130
α Crucis ...	1.1	9 17	138
γ Crucis ...	1.6	9 19	126
β Crucis ...	1.5	9 35	131
α Muscae ...	2.9	9 45	151
β Muscae ...	3.3	9 50	149
ε Centauri ...	2.6	10 28	119
β Centauri ...	0.9	10 51	133
α Centauri ...	0.3	11 27	134
α Circini ...	3.4	11 35	142
ζ Lupi ...	3.5	12 1	117
γ Triang. Aust.	3.1	12 23	150
β Triang. Aust.	3.0	12 45	139
ζ Aræ ...	3.1	13 44	125
α Triang. Aust.	1.9	13 55	151
β Aræ ...	2.8	14 10	124
η Pavonis... ..	3.6	14 37	143
δ Pavonis... ..	3.6	17 5	146
α Pavonis... ..	2.1	17 11	127
β Pavonis... ..	3.6	17 42	146
α Tucanæ... ..	2.9	19 6	134
ε Gruis ...	3.7	19 39	116
β Phœnicis ...	3.4	22 4	107
α Eridani ...	0.6	22 27	128
α Hydri ...	3.0	22 51	137
φ Eridani ...	3.8	23 9	117

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Tucanæ... ..	2.9	1 20	226
ϵ Gruis	3.7	1 49	244
β Phœnicis	3.4	4 0	253
α Eridani	0.6	4 43	232
α Hydri	3.0	5 1	223
φ Eridani	3.8	5 19	243
α Reticuli... ..	3.4	7 18	222
α Doradus	3.5	7 40	237
β Doradus	3.8	8 38	222
α Argus	0.9	9 28	242
α Pictoris... ..	3.3	9 53	223
δ Volantis	4.0	10 7	211
ϵ Argus	1.7	11 29	229
δ Argus	2.0	11 50	238
β Argus	1.8	11 56	208
ι Argus	2.3	12 23	229
κ Argus	2.6	12 28	238
ν Velorum	3.0	12 37	234
q Carinæ	3.4	13 21	225
θ Argus	3.0	13 42	219
λ Centauri	3.3	14 37	222
δ Crucis	3.1	15 19	230
α Muscæ	2.9	15 19	209
α Crucis	1.1	15 27	222
β Muscæ	3.3	15 32	211
γ Crucis	1.6	15 35	234
β Crucis	1.5	15 51	229
ϵ Centauri	2.6	16 42	241
β Centauri	0.9	17 5	227
α Circini	3.4	17 37	218
α Centauri	0.3	17 41	226
γ Triang. Aust.	3.1	17 59	210
ζ Lupi	3.5	18 11	243
β Triang. Aust.	3.0	18 51	221
α Triang. Aust.	1.9	19 25	209
ζ Aræ	3.1	20 0	235
β Aræ	2.8	20 26	236
η Pavonis... ..	3.6	20 39	217
δ Pavonis... ..	3.6	22 57	214
α Pavonis... ..	2.1	23 27	233
β Pavonis... ..	3.6	23 34	214

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ϵ^2 Aquarii	3.8	0 24	321
α Piscis Australis	1.3	1 2	293
β Ceti	2.2	1 23	339
ϵ Leporis	3.3	6 27	318
β Leporis	3.0	6 36	325
α Columbæ	2.7	8 2	282
ζ Canis Majoris	3.1	8 26	293
ϵ^2 Canis Majoris	3.1	8 35	313
δ Canis Majoris	2.0	8 55	304
ϵ Canis Majoris	3.7	8 56	299
ϵ Canis Majoris	1.6	8 58	296
η Canis Majoris	2.4	9 26	295
ξ Argus	3.5	9 27	310
ρ Argus	2.9	9 42	311
a Mali	3.7	11 0	285
ϵ Corvi	3.2	13 30	319
β Corvi	2.8	13 59	316
γ Hydræ	3.3	14 42	317
π Hydræ	3.5	15 53	304
γ Scorpii	3.4	16 42	308
β^1 Scorpii	2.9	17 1	331
δ Scorpii	2.5	17 20	318
π Scorpii	3.0	17 42	305
σ Scorpii	3.1	18 1	307
α Scorpii	1.2	18 14	304
τ Scorpii	2.9	18 30	299
θ Ophiuchi	3.4	19 0	308
μ Sagittarii	4.0	19 23	323
ξ Sagittarii	3.6	20 8	323
λ Sagittarii	2.9	20 9	306
π Sagittarii	3.0	20 20	323
δ Sagittarii	2.8	20 24	293
φ Sagittarii	3.3	20 36	301
σ Sagittarii	2.1	20 41	304
τ Sagittarii	3.4	21 0	299
ζ Capricorni	3.9	22 51	316

LATITUDE 48° SOUTH.

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
υ ⁴ Eridani ...	3.6	1 52	75
α Columbae ...	2.7	3 14	76
ε Leporis ...	3.3	3 43	38
ζ Canis Majoris	3.1	4 11	65
β Leporis ...	3.0	4 23	30
ε Canis Majoris	1.6	4 55	61
22 Canis Majoris	3.7	5 3	58
δ Canis Majoris	2.0	5 19	53
η Canis Majoris	2.4	5 19	62
ο ² Canis Majoris	3.1	5 31	44
ξ Argus ...	3.5	6 10	47
ρ Argus ...	2.9	6 32	45
ε Corvi ...	3.2	10 50	37
β Corvi ...	2.8	11 8	40
γ Hydræ ...	3.3	11 53	39
π Hydræ ...	3.5	12 15	53
γ Scorpis ...	3.4	13 21	49
π Scorpis ...	3.0	14 10	52
τ Scorpis ...	2.9	14 35	59
σ Scorpis ...	3.1	14 35	50
δ Scorpis ...	2.5	14 37	38
α Scorpis ...	1.2	14 38	53
β ¹ Scorpis ...	2.9	15 13	23
θ Ophiuchi ...	3.4	15 39	49
γ Sagittarii ...	3.1	15 53	66
δ Sagittarii ...	2.8	16 11	64
λ Sagittarii ...	2.9	16 42	51
φ Sagittarii ...	3.3	16 50	56
ζ Sagittarii ...	2.7	16 51	65
σ Sagittarii ...	2.1	17 3	54
μ Sagittarii ...	4.0	17 4	32
τ Sagittarii ...	3.4	17 7	58
ξ Sagittarii ...	3.6	17 47	32
π Sagittarii ...	3.0	17 59	32
ζ Capricorni ...	3.9	20 0	40
α Piscis Australis	1.3	20 47	65
ε ² Aquarii ...	3.8	21 54	34

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Reticuli... ..	3.4	1 1	137
α Doradus ...	3.5	1 20	122
β Doradus ...	3.8	2 21	137
α Argus ...	0.9	3 13	117
α Pictoris... ..	3.3	3 35	135
δ Volantis ...	4.0	4 17	148
ε Argus ...	1.7	5 8	130
δ Argus ...	2.0	5 30	120
ι Argus ...	2.3	6 2	130
κ Argus ...	2.6	6 8	121
ν Velorum ...	3.0	6 16	125
β Argus ...	1.8	6 18	151
q Carinae ...	3.4	7 1	133
θ Argus ...	3.0	7 30	140
λ Centauri ...	3.3	8 20	137
δ Crucis ...	3.1	8 58	128
α Crucis ...	1.1	9 10	137
γ Crucis ...	1.6	9 14	125
β Crucis ...	1.5	9 30	130
α Muscae ...	2.9	9 35	150
β Muscae ...	3.3	9 40	147
ε Centauri ...	2.6	10 25	118
β Centauri ...	0.9	10 45	132
α Centauri ...	0.3	11 21	133
α Circini ...	3.4	11 27	141
ζ Lupi ...	3.5	11 58	115
γ Triang. Aust.	3.1	12 13	149
β Triang. Aust.	3.0	12 38	138
ζ Aræ ...	3.1	13 40	123
α Triang. Aust.	1.9	13 44	150
β Aræ ...	2.8	14 6	122
η Pavonis... ..	3.6	14 30	141
δ Pavonis... ..	3.6	16 56	145
α Pavonis... ..	2.1	17 6	126
β Pavonis... ..	3.6	17 33	145
α Tucanæ ...	2.9	19 0	133
ε Gruis ...	3.7	19 36	115
β Phœnicis ...	3.4	22 2	106
α Eridani ...	0.6	22 22	127
α Hydri ...	3.0	22 44	136
ψ Eridani ...	3.8	23 6	115

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Tucanæ... ..	2.9	1 26	227
ϵ Gruis	3.7	1 52	245
β <i>Phœnicis</i>	3.4	4 2	254
α Eridani	0.6	4 48	233
α Hydri	3.0	5 8	224
φ Eridani	3.8	5 22	245
α Reticuli... ..	3.4	7 25	223
α Doradus	3.5	7 44	238
β Doradus	3.8	8 45	223
α Argus	0.9	9 31	243
α Pictoris	3.3	9 59	225
δ Volantis	4.0	10 17	212
ϵ Argus	1.7	11 34	230
δ Argus	2.0	11 54	240
β Argus	1.8	12 6	209
ι Argus	2.3	12 28	230
κ Argus	2.6	12 32	239
\mathbf{N} Velorum	3.0	12 42	235
q Carinæ	3.4	13 27	227
θ Argus	3.0	13 50	220
λ Centauri	3.3	14 44	223
δ Crucis	3.1	15 24	232
α Muscæ	2.9	15 29	210
α Crucis	1.1	15 34	223
γ Crucis	1.6	15 40	235
β Muscæ	3.3	15 42	213
β Crucis	1.5	15 56	230
ϵ Centauri	2.6	16 45	242
β Centauri	0.9	17 11	228
α Circini	3.4	17 45	219
α Centauri	0.3	17 47	227
γ Triang. Aust.	3.1	18 9	211
ζ Lupi	3.5	18 14	245
β Triang. Aust.	3.0	18 58	222
α Triang. Aust.	1.9	19 36	210
ζ Aræ	3.1	20 4	237
β Aræ	2.8	20 30	238
η Pavonis... ..	3.6	20 46	219
δ Pavonis... ..	3.6	23 6	215
α Pavonis... ..	2.1	23 32	234
β Pavonis... ..	3.6	23 43	215

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
c^2 Aquarii	3.8	0 16	326
α Piscis Australis	1.3	0 59	295
ϵ Leporis	3.3	6 21	322
β Leporis	3.0	6 27	330
v^4 Eridani	3.6	6 38	285
α Columbæ	2.7	8 0	284
ζ Canis Majoris	3.1	8 23	295
o^2 Canis Majoris	3.1	8 29	316
δ Canis Majoris	2.0	8 51	307
22 Canis Majoris	3.7	8 53	302
ϵ Canis Majoris	1.6	8 55	299
ξ Argus	3.5	9 22	313
η Canis Majoris	2.4	9 23	298
ρ Argus	2.9	9 36	315
α Mali	3.7	10 59	287
ϵ Corvi	3.2	13 22	323
β Corvi	2.8	13 52	320
γ Hydræ	3.3	14 35	321
π Hydræ	3.5	15 49	307
γ Scorpii	3.4	16 37	311
β^1 Scorpii	2.9	16 49	337
δ Scorpii	2.5	17 13	322
π Scorpii	3.0	17 38	308
σ Scorpii	3.1	17 57	310
α Scorpii	1.2	18 10	307
τ Scorpii	2.9	18 27	301
θ Ophiuchi	3.4	18 55	311
μ Sagittarii	4.0	19 14	328
ξ Sagittarii	3.6	19 59	328
λ Sagittarii	2.9	20 4	309
γ Sagittarii	3.1	20 9	294
π Sagittarii	3.0	20 11	328
δ Sagittarii	2.8	20 21	296
φ Sagittarii	3.3	20 32	304
σ Sagittarii	2.1	20 37	306
τ Sagittarii	3.4	20 57	302
ζ Sagittarii	2.7	21 3	295
ζ Capricorni	3.9	22 44	320

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
υ ⁴ Eridani ...	3.6	1 53	73
α Columbae ...	2.7	3 15	74
ε Leporis ...	3.3	3 51	34
ζ Canis Majoris	3.1	4 14	62
β Leporis ...	3.0	4 34	25
ε Canis Majoris	1.6	4 58	58
22 Canis Majoris	3.7	5 7	55
δ Canis Majoris	2.0	5 23	50
η Canis Majoris	2.4	5 23	59
ο ² Canis Majoris	3.1	5 38	40
ξ Argus ...	3.5	6 16	44
ρ Argus ...	2.9	6 39	41
ξ Hydrae ...	3.7	9 19	66
ε Corvi ...	3.2	10 58	33
β Corvi ...	2.8	11 15	36
γ Hydrae ...	3.3	12 2	35
π Hydrae ...	3.5	12 20	50
γ Scorpiae ...	3.4	13 26	45
π Scorpiae ...	3.0	14 15	49
τ Scorpiae ...	2.9	14 39	56
σ Scorpiae ...	3.1	14 40	47
α Scorpiae ...	1.2	14 43	50
δ Scorpiae ...	2.5	14 45	34
θ Ophiuchi ...	3.4	15 45	45
γ Sagittarii ...	3.1	15 56	63
δ Sagittarii ...	2.8	16 14	62
λ Sagittarii ...	2.9	16 47	47
φ Sagittarii ...	3.3	16 54	53
ζ Sagittarii ...	2.7	16 54	62
σ Sagittarii ...	2.1	17 8	51
τ Sagittarii ...	3.4	17 11	55
μ Sagittarii ...	4.0	17 14	26
ξ Sagittarii ...	3.6	17 57	27
π Sagittarii ...	3.0	18 9	27
ζ Capricorni ...	3.9	20 8	36
α Piscis Australis	1.3	20 50	62
c ² Aquarii ...	3.8	22 4	29

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Reticuli... ..	3.4	0 55	136
α Doradus ...	3.5	1 16	121
β Doradus ...	3.8	2 15	135
α Argus ...	-0.9	3 10	115
α Pictoris ...	3.3	3 29	134
δ Volantis ...	4.0	4 7	146
ε Argus ...	1.7	5 3	129
δ Argus ...	2.0	5 27	119
ι Argus ...	2.3	5 57	128
κ Argus ...	2.6	6 5	120
β Argus ...	1.8	6 8	150
ν Velorum ...	3.0	6 12	124
q Carinae ...	3.4	6 56	132
θ Argus ...	3.0	7 23	138
λ Centauri ...	3.3	8 14	136
δ Crucis ...	3.1	8 53	127
α Crucis ...	1.1	9 4	136
γ Crucis ...	1.6	9 10	123
β Crucis ...	1.5	9 25	129
α Muscae ...	2.9	9 25	148
β Muscae ...	3.3	9 31	146
ε Centauri ...	2.6	10 22	116
β Centauri ...	0.9	10 40	130
α Centauri ...	0.3	11 16	131
α Circini ...	3.4	11 20	140
γ Triang. Aust.	3.1	12 3	147
β Triang. Aust.	3.0	12 31	137
α Triang. Aust.	1.9	13 34	148
ζ Arae ...	3.1	13 36	122
β Arae ...	2.8	14 2	121
η Pavonis... ..	3.6	14 22	140
δ Pavonis... ..	3.6	16 48	143
α Pavonis... ..	2.1	17 2	124
β Pavonis... ..	3.6	17 25	143
α Tucanae ...	2.9	18 55	132
ε Gruis ...	3.7	19 33	114
β Phœnicis ...	3.4	22 0	104
α Eridani ...	0.6	22 17	126
α Hydri ...	3.0	22 38	134

SW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
α Tucanæ... ..	2.9	1 31	228	
ϵ Gruis	3.7	1 55	246	
β Phœnicis	3.4	4 4	256	
α Eridani	0.6	4 53	234	
α Hydri	3.0	5 14	226	
α Reticuli... ..	3.4	7 31	224	
α Doradus	3.5	7 48	239	
β Doradus	3.8	8 51	225	
α Argus	0.9	9 34	245	
α Pictoris	3.3	10 5	226	
δ Volantis	4.0	10 27	214	
ϵ Argus	1.7	11 39	231	
δ Argus	2.0	11 57	241	
β Argus	1.8	12 16	210	
ι Argus	2.3	12 33	232	
κ Argus	2.6	12 35	240	
ν Velorum	3.0	12 46	236	
q Carinæ	3.4	13 32	228	
θ Argus	3.0	13 57	222	
λ Centauri	3.3	14 50	224	
δ Crucis	3.1	15 29	233	
α Muscæ	2.9	15 39	212	
α Crucis	1.1	15 40	224	
γ Crucis	1.6	15 44	237	
β Muscæ	3.3	15 51	214	
β Crucis	1.5	16 1	231	
ϵ Centauri	2.6	16 48	244	
β Centauri	0.9	17 16	230	
α Centauri	0.3	17 52	229	
α Circini	3.4	17 52	220	
γ Triang. Aust.	3.1	18 19	213	
β Triang. Aust.	3.0	19 5	223	
α Triang. Aust.	1.9	19 46	212	
ζ Aræ	3.1	20 8	238	
β Aræ	2.8	20 34	239	
η Pavonis... ..	3.6	20 54	220	
δ Pavonis... ..	3.6	23 14	217	
α Pavonis... ..	2.1	23 36	236	
β Pavonis... ..	3.6	23 51	217	

NW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
c^2 Aquarii	3.8	0 6	331	
α Piscis Australis	1.3	0 56	298	
ϵ Leporis	3.3	6 13	326	
β Leporis	3.0	6 16	335	
ν^4 Eridani	3.6	6 37	287	
α Columbæ	2.7	7 59	286	
ζ Canis Majoris	3.1	8 20	298	
o^2 Canis Majoris	3.1	8 22	320	
δ Canis Majoris	2.0	8 47	310	
22 Canis Majoris	3.7	8 49	305	
ϵ Canis Majoris	1.6	8 52	302	
ξ Argus	3.5	9 16	316	
η Canis Majoris	2.4	9 19	301	
ρ Argus	2.9	9 29	319	
α Mali	3.7	10 57	290	
ϵ Corvi	3.2	13 14	327	
ξ Hydræ	3.7	13 39	294	
β Corvi	2.8	13 45	324	
γ Hydræ	3.3	14 26	325	
π Hydræ	3.5	15 44	310	
γ Scorpïi	3.4	16 32	315	
δ Scorpïi	2.5	17 5	326	
π Scorpïi	3.0	17 33	311	
σ Scorpïi	3.1	17 52	313	
α Scorpïi	1.2	18 5	310	
τ Scorpïi	2.9	18 23	304	
θ Ophiuchi	3.4	18 49	315	
μ Sagittarii	4.0	19 4	334	
ξ Sagittarii	3.6	19 49	333	
λ Sagittarii	2.9	19 59	313	
π Sagittarii	3.0	20 1	333	
γ Sagittarii	3.1	20 6	297	
δ Sagittarii	2.8	20 18	298	
φ Sagittarii	3.3	20 28	307	
σ Sagittarii	2.1	20 32	309	
τ Sagittarii	3.4	20 53	305	
ζ Sagittarii	2.7	21 0	298	
ζ Capricorni	3.9	22 36	324	

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
υ ⁴ Eridani ...	3.6	1 55	71
α Columbae ...	2.7	3 17	72
ε Leporis ...	3.3	4 1	29
ζ Canis Majoris	3.1	4 18	59
ε Canis Majoris	1.6	5 2	56
22 Canis Majoris	3.7	5 12	52
η Canis Majoris	2.4	5 27	57
δ Canis Majoris	2.0	5 28	47
ο ² Canis Majoris	3.1	5 46	36
ξ Argus ...	3.5	6 23	40
ρ Argus ...	2.9	6 46	37
ξ Hydræ ...	3.7	9 22	64
ε Corvi ...	3.2	11 8	27
β Corvi ...	2.8	11 24	32
γ Hydræ ...	3.3	12 11	30
π Hydræ ...	3.5	12 25	47
γ Scorp̄ii ...	3.4	13 33	41
π Scorp̄ii ...	3.0	14 21	45
τ Scorp̄ii ...	2.9	14 43	53
σ Scorp̄ii ...	3.1	14 46	43
α Scorp̄ii ...	1.2	14 49	47
δ Scorp̄ii ...	2.5	14 55	29
θ Ophiuchi ...	3.4	15 52	41
γ Sagittarii ...	3.1	15 59	61
δ Sagittarii ...	2.8	16 17	59
λ Sagittarii ...	2.9	16 53	44
ζ Sagittarii ...	2.7	16 57	59
φ Sagittarii ...	3.3	16 59	50
σ Sagittarii ...	2.1	17 13	47
τ Sagittarii ...	3.4	17 16	52
μ Sagittarii ...	4.0	17 28	20
ξ Sagittarii ...	3.6	18 9	20
π Sagittarii ...	3.0	18 21	20
ζ Capricorni ...	3.9	20 17	31
α Piscis Australis	1.3	20 53	60
c ² Aquarii... ..	3.8	22 15	24

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Reticuli... ..	3.4	0 49	135
α Doradus ...	3.5	1 13	119
β Doradus ...	3.8	2 9	134
α Pictoris ...	3.3	3 23	133
δ Volantis ...	4.0	3 58	145
ε Argus ...	1.7	4 58	127
δ Argus ...	2.0	5 24	118
ι Argus ...	2.3	5 52	127
β Argus ...	1.8	5 57	148
κ Argus ...	2.6	6 2	118
ν Velorum ...	3.0	6 8	122
q Carinae ...	3.4	6 50	131
θ Argus ...	3.0	7 16	137
λ Centauri ...	3.3	8 8	134
δ Crucis ...	3.1	8 48	126
α Crucis ...	1.1	8 58	134
γ Crucis ...	1.6	9 6	122
α Muscae ...	2.9	9 15	147
β Crucis ...	1.5	9 20	127
β Muscae ...	3.3	9 22	145
ε Centauri ...	2.6	10 19	115
β Centauri ...	0.9	10 34	129
α Centauri ...	0.3	11 10	130
α Circini ...	3.4	11 13	139
γ Triang. Aust.	3.1	11 53	146
β Triang. Aust.	3.0	12 24	135
α Triang. Aust.	1.9	13 23	147
ζ Aræ ...	3.1	13 32	121
β Aræ ...	2.8	13 59	120
η Pavonis... ..	3.6	14 15	139
δ Pavonis... ..	3.6	16 40	142
α Pavonis... ..	2.1	16 58	123
β Pavonis... ..	3.6	17 17	142
α Tucanæ... ..	2.9	18 49	131
ε Gruis ...	3.7	19 30	113
β Phœnicis ...	3.4	21 58	103
α Eridani ...	0.6	22 13	124
α Hydri ...	3.0	22 32	133

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Tucanæ... ..	2.9	1 37	229
ϵ Gruis	3.7	1 58	247
β Phœnicis	3.4	4 6	257
α Eridani	0.6	4 57	236
α Hydri	3.0	5 20	227
α Reticuli... ..	3.4	7 37	225
α Doradus	3.5	7 51	241
β Doradus	3.8	8 57	226
α Pictoris... ..	3.3	10 11	227
δ Volantis	4.0	10 36	215
ϵ Argus	1.7	11 44	233
δ Argus	2.0	12 0	242
β Argus	1.8	12 27	212
ι Argus	2.3	12 38	233
κ Argus	2.6	12 38	242
ν Velorum	3.0	12 50	238
q Carinæ	3.4	13 38	229
θ Argus	3.0	14 4	223
λ Centauri	3.3	14 56	226
δ Crucis	3.1	15 34	234
α Crucis	1.1	15 46	226
γ Crucis	1.6	15 48	238
α Muscæ	2.9	15 49	213
β Muscæ	3.3	16 0	215
β Crucis	1.5	16 6	233
ϵ Centauri	2.6	16 51	245
β Centauri	0.9	17 22	231
α Centauri	0.3	17 58	230
α Circini	3.4	17 59	221
γ Triang. Aust.	3.1	18 29	214
β Triang. Aust.	3.0	19 12	225
α Triang. Aust.	1.9	19 57	213
ζ Aræ	3.1	20 12	239
β Aræ	2.8	20 37	240
η Pavonis... ..	3.6	21 1	221
δ Pavonis... ..	3.6	23 22	218
α Pavonis... ..	2.1	23 40	237
β Pavonis... ..	3.6	23 59	218

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Piscis Australis	1.3	0 53	300
ϵ Leporis	3.3	6 3	331
ν Eridani	3.6	6 35	289
α Columbæ	2.7	7 57	288
σ^2 Canis Majoris	3.1	8 14	324
ζ Canis Majoris	3.1	8 16	301
δ Canis Majoris	2.0	8 42	313
ν Canis Majoris	3.7	8 44	308
ϵ Canis Majoris	1.6	8 48	304
ξ Argus	3.5	9 9	320
η Canis Majoris	2.4	9 15	303
ρ Argus	2.9	9 22	323
ω Mali	3.7	10 55	292
ϵ Corvi	3.2	13 4	333
β Corvi	2.8	13 36	328
ξ Hydræ	3.7	13 36	296
γ Hydræ	3.3	14 17	330
π Hydræ	3.5	15 39	313
γ Scorpii	3.4	16 25	319
δ Scorpii	2.5	16 55	331
π Scorpii	3.0	17 27	315
σ Scorpii	3.1	17 46	317
α Scorpii	1.2	17 59	313
τ Scorpii	2.9	18 19	307
θ Ophiuchi	3.4	18 42	319
μ Sagittarii	4.0	18 50	340
ξ Sagittarii	3.6	19 37	340
π Sagittarii	3.0	19 49	340
λ Sagittarii	2.9	19 53	316
γ Sagittarii	3.1	20 3	299
δ Sagittarii	2.8	20 15	301
φ Sagittarii	3.3	20 23	310
σ Sagittarii	2.1	20 27	313
τ Sagittarii	3.4	20 48	308
ζ Sagittarii	2.7	20 57	301
ζ Capricorni	3.9	22 27	329
σ^2 Aquarii	3.8	23 55	336

LATITUDE 51° SOUTH.

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
υ ⁴ Eridani ...	3.6	1 58	69
α Columbae ...	2.7	3 19	69
ε Leporis ...	3.3	4 13	23
ζ Canis Majoris	3.1	4 22	57
ε Canis Majoris	1.6	5 7	53
22 Canis Majoris	3.7	5 17	49
η Canis Majoris	2.4	5 31	54
δ Canis Majoris	2.0	5 35	43
o ² Canis Majoris	3.1	5 56	31
α Mali ...	3.7	6 28	66
ξ Argus ...	3.5	6 32	35
ρ Argus ...	2.9	6 55	33
ξ Hydrae ...	3.7	9 25	61
ε Corvi ...	3.2	11 22	21
β Corvi ...	2.8	11 35	26
γ Hydrae ...	3.3	12 22	25
π Hydrae ...	3.5	12 32	43
γ Scorpii ...	3.4	13 41	37
π Scorpii ...	3.0	14 28	41
τ Scorpii ...	2.9	14 48	50
σ Scorpii ...	3.1	14 54	39
α Scorpii ...	1.2	14 55	43
δ Scorpii ...	2.5	15 8	22
θ Ophiuchi ...	3.4	16 0	37
γ Sagittarii ...	3.1	16 3	58
δ Sagittarii ...	2.8	16 21	56
λ Sagittarii ...	2.9	17 0	40
ζ Sagittarii ...	2.7	17 1	57
φ Sagittarii ...	3.3	17 5	46
σ Sagittarii ...	2.1	17 19	43
τ Sagittarii ...	3.4	17 21	49
ζ Capricorni ...	3.9	20 29	25
α Piscis Australis	1.3	20 57	57

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Reticuli... ..	3.4	0 42	133
α Doradus ...	3.5	1 9	118
β Doradus ...	3.8	2 2	133
α Pictoris... ..	3.3	3 17	131
δ Volantis ...	4.0	3 49	143
ε Argus ...	1.7	4 53	126
δ Argus ...	2.0	5 20	116
β Argus ...	1.8	5 47	147
ι Argus ...	2.3	5 47	126
κ Argus ...	2.6	5 58	117
ν Velorum ...	3.0	6 4	121
q Carinae ...	3.4	6 45	130
θ Argus ...	3.0	7 9	136
λ Centauri ...	3.3	8 2	133
δ Crucis ...	3.1	8 44	124
α Crucis ...	1.1	8 52	133
γ Crucis ...	1.6	9 2	121
α Muscae ...	2.9	9 5	145
β Muscae ...	3.3	9 13	143
β Crucis ...	1.5	9 15	126
β Centauri ...	0.9	10 29	128
α Centauri ...	0.3	11 5	129
α Circini ...	3.4	11 6	137
γ Triang. Aust.	3.1	11 43	145
β Triang. Aust.	3.0	12 17	134
α Triang. Aust.	1.9	13 13	146
ζ Aræ ...	3.1	13 28	119
β Aræ ...	2.8	13 55	119
η Pavonis... ..	3.6	14 8	137
δ Pavonis... ..	3.6	16 31	141
α Pavonis... ..	2.1	16 53	122
β Pavonis... ..	3.6	17 8	141
α Tucanæ ...	2.9	18 44	129
ε Gruis ...	3.7	19 28	111
α Eridani ...	0.6	22 8	123
α Hydri ...	3.0	22 26	132

SW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
β Pavonis...	3.6	0 8	219	
α Tucanæ...	2.9	1 42	231	
ε Gruis ...	3.7	2 0	249	
α Eridani ...	0.6	5 2	237	
α Hydri ...	3.0	5 26	228	
α Reticuli...	3.4	7 44	227	
α Doradus ...	3.5	7 55	242	
β Doradus ...	3.8	9 4	227	
α Pictoris ...	3.3	10 17	229	
δ Volantis ...	4.0	10 45	217	
ε Argus ...	1.7	11 49	234	
δ Argus ...	2.0	12 4	244	
β Argus ...	1.8	12 37	213	
κ Argus ...	2.6	12 42	243	
ι Argus ...	2.3	12 43	234	
ν Vellorum	3.0	12 54	239	
q Carinæ ...	3.4	13 43	230	
θ Argus ...	3.0	14 11	224	
λ Centauri ...	3.3	15 2	227	
δ Crucis ...	3.1	15 38	236	
α Crucis ...	1.1	15 52	227	
γ Crucis ...	1.6	15 52	239	
α Muscæ ...	2.9	15 59	315	
β Muscæ ...	3.3	16 9	217	
β Crucis ...	1.5	16 11	234	
β Centauri ...	0.9	17 27	232	
α Centauri ...	0.3	18 3	231	
α Circini ...	3.4	18 6	223	
γ Triang. Aust.	3.1	18 39	215	
β Triang. Aust.	3.0	19 19	226	
α Triang. Aust.	1.9	20 7	214	
ζ Aræ ...	3.1	20 16	241	
β Aræ ...	2.8	20 41	241	
η Pavonis...	3.6	21 8	223	
δ Pavonis...	3.6	23 31	219	
α Pavonis...	2.1	23 45	238	

NW. QUADRANT

Star.	Mag.	L. S. T.		Az.
		h. m.	°	
α Piscis Australis	1.3	0 49	303	
ε Leporis ...	3.3	5 51	337	
υ ⁴ Eridani ...	3.6	6 32	291	
α Columbæ ...	2.7	7 55	291	
ο ² Canis Majoris	3.1	8 4	329	
ζ Canis Majoris	3.1	8 12	303	
δ Canis Majoris	2.0	8 35	317	
22 Canis Majoris	3.7	8 39	311	
ε Canis Majoris	1.6	8 43	307	
ξ Argus ...	3.5	9 0	325	
η Canis Majoris	2.4	9 11	306	
ρ Argus ...	2.9	9 13	327	
α Mali ...	3.7	10 52	294	
ε Corvi ...	3.2	12 50	339	
β Corvi ...	2.8	13 25	334	
ξ Hydræ ...	3.7	13 33	299	
γ Hydræ ...	3.3	14 6	335	
π Hydræ ...	3.5	15 32	317	
γ Scorpii ...	3.4	16 17	323	
δ Scorpii ...	2.5	16 42	338	
π Scorpii ...	3.0	17 20	319	
σ Scorpii ...	3.1	17 38	321	
α Scorpii ...	1.2	17 53	317	
τ Scorpii ...	2.9	18 14	310	
θ Ophiuchi ...	3.4	18 34	323	
λ Sagittarii ...	2.9	19 46	320	
γ Sagittarii ...	3.1	19 59	302	
δ Sagittarii ...	2.8	20 11	304	
φ Sagittarii ...	3.3	20 17	314	
σ Sagittarii ...	2.1	20 21	317	
ι Sagittarii ...	3.4	20 43	311	
ζ Sagittarii ...	2.7	20 53	303	
ζ Capricorni ...	3.9	22 15	335	

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
ν^4 Eridani ...	3.6	2 1	66
α Columbae ...	2.7	3 22	67
ζ Canis Majoris	3.1	4 26	54
ϵ Canis Majoris	1.6	5 12	49
22 Canis Majoris	3.7	5 23	46
η Canis Majoris	2.4	5 36	50
δ Canis Majoris	2.0	5 43	39
σ^2 Canis Majoris	3.1	6 8	24
α Mali ...	3.7	6 32	63
ξ Argus ...	3.5	6 42	30
ρ Argus ...	2.9	7 6	27
ξ Hydræ ...	3.7	9 29	58
θ Centauri ...	2.3	11 37	72
β Corvi ...	2.8	11 51	18
π Hydræ ...	3.5	12 40	39
γ Scorpii ...	3.4	13 51	32
ϵ Scorpii ...	2.4	14 29	67
π Scorpii ...	3.0	14 36	37
τ Scorpii ...	2.9	14 54	46
σ Scorpii ...	3.1	15 3	34
α Scorpii ...	1.2	15 3	38
γ Sagittarii ...	3.1	16 7	55
θ Ophiuchi ...	3.4	16 10	32
δ Sagittarii ...	2.8	16 26	53
ζ Sagittarii ...	2.7	17 6	54
λ Sagittarii ...	2.9	17 9	35
φ Sagittarii ...	3.3	17 12	42
σ Sagittarii ...	2.1	17 27	39
τ Sagittarii ...	3.4	17 27	46
α Piscis Australis	1.3	21 1	54

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Reticula ...	3.4	0 36	132
α Doradus ...	3.5	1 6	117
β Doradus ...	3.8	1 56	132
α Pictoris... ..	3.3	3 11	130
δ Volantis ...	4.0	3 40	142
ϵ Argus ...	1.7	4 48	125
δ Argus ...	2.0	5 17	115
β Argus ...	1.8	5 37	145
ι Argus ...	2.3	5 43	124
κ Argus ...	2.6	5 55	116
ν Velorum ...	3.0	6 0	120
η Carinae ...	3.4	6 39	128
θ Argus ...	3.0	7 3	135
λ Centauri ...	3.3	7 56	132
δ Crucis ...	3.1	8 39	123
α Crucis ...	1.1	8 46	132
α Muscae ...	2.9	8 56	144
γ Crucis ...	1.6	8 58	120
β Muscae ...	3.3	9 4	142
β Crucis ...	1.5	9 10	125
β Centauri ...	0.9	10 24	127
α Circini ...	3.4	10 59	136
α Centauri ...	0.3	11 0	128
γ Triang. Aust.	3.1	11 34	143
β Triang. Aust.	3.0	12 11	133
α Triang. Aust.	1.9	13 4	145
ζ Arae ...	3.1	13 24	118
β Arae ...	2.8	13 51	117
η Pavonis... ..	3.6	14 1	136
δ Pavonis... ..	3.6	16 23	139
α Pavonis... ..	2.1	16 49	120
β Pavonis... ..	3.6	17 0	139
α Tucanæ... ..	2.9	18 39	128
ϵ Gruis ...	3.7	19 26	110
α Eridani ...	0.6	22 4	122
α Hydri ...	3.0	22 20	130

SW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
β Pavonis... ..	3·6	0 16	221
α Tucanæ... ..	2·9	1 47	232
ε Gruis	3·7	2 2	250
α Eridani	0·6	5 6	238
α Hydri	3·0	5 32	230
α Reticuli... ..	3·4	7 50	228
α Doradus	3·5	7 58	243
β Doradus	3·8	9 10	228
α Pictoris... ..	3·3	10 23	230
δ Volantis	4·0	10 54	218
ε Argus	1·7	11 54	235
δ Argus	2·0	12 7	245
κ Argus	2·6	12 45	244
β Argus	1·8	12 47	215
ι Argus	2·3	12 47	236
ν Velorum	3·0	12 58	240
q Carinæ	3·4	13 49	232
θ Argus	3·0	14 17	225
λ Centauri	3·3	15 8	228
δ Crucis	3·1	15 43	237
γ Crucis	1·6	15 56	240
α Crucis	1·1	15 58	228
α Muscæ	2·9	16 8	216
β Crucis	1·5	16 16	235
β Muscæ	3·3	16 18	218
β Centauri	0·9	17 32	233
α Centauri	0·3	18 8	232
α Circini	3·4	18 13	224
γ Triang. Aust.	3·1	18 48	217
β Triang. Aust.	3·0	19 25	227
α Triang. Aust.	1·9	20 16	215
ζ Aræ	3·1	20 20	242
β Aræ	2·8	20 45	243
η Pavonis... ..	3·6	21 15	224
δ Pavonis... ..	3·6	23 39	221
α Pavonis... ..	2·1	23 49	240

NW. QUADRANT

Star.	Mag.	L.S.T.	Az.
		h. m.	°
α Piscis Australis	1·3	0 45	306
υ ⁴ Eridani	3·6	6 29	294
α Columbæ	2·7	7 52	293
ο ² Canis Majoris	3·1	7 52	336
ζ Canis Majoris	3·1	8 8	306
δ Canis Majoris	2·0	8 27	321
22 Canis Majoris	3·7	8 33	314
ε Canis Majoris	1·6	8 38	311
ξ Argus	3·5	8 50	330
ρ Argus	2·9	9 2	333
η Canis Majoris	2·4	9 6	310
α Mali	3·7	10 48	297
β Corvi	2·8	13 9	342
ξ Hydræ	3·7	13 29	302
π Hydræ	3·5	15 24	321
γ Scorpīi	3·4	16 7	328
θ Centauri	2·3	16 27	288
π Scorpīi	3·0	17 12	323
σ Scorpīi	3·1	17 29	326
α Scorpīi	1·2	17 45	322
τ Scorpīi	2·9	18 8	314
θ Ophiuchi	3·4	18 24	328
ε Scorpīi	2·4	19 1	293
λ Sagittarii	2·9	19 37	325
γ Sagittarii	3·1	19 55	305
δ Sagittarii	2·8	20 6	307
φ Sagittarii	3·3	20 10	318
σ Sagittarii	2·1	20 13	321
τ Sagittarii	3·4	20 37	314
ζ Sagittarii	2·7	20 48	306

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
υ ⁴ Eridani ...	3·6	2 4	64
α Columbæ ...	2·7	3 25	64
ζ Canis Majoris	3·1	4 31	50
ε Canis Majoris	1·6	5 18	46
22 Canis Majoris	3·7	5 30	42
η Canis Majoris	2·4	5 42	47
δ Canis Majoris	2·0	5 52	34
α Mali ...	3·7	6 35	60
ξ Argus ...	3·5	6 54	24
ρ Argus ...	2·9	7 20	20
ξ Hydræ ...	3·7	9 34	55
θ Centauri ...	2·3	11 39	70
π Hydræ ...	3·5	12 49	34
γ Scorp̄ii ...	3·4	14 2	27
ε Scorp̄ii ...	2·4	14 33	64
π Scorp̄ii ...	3·0	14 46	32
τ Scorp̄ii ...	2·9	15 1	42
α Scorp̄ii ...	1·2	15 12	33
σ Scorp̄ii ...	3·1	15 14	29
ε Sagittarii ...	2·0	16 5	65
γ Sagittarii ...	3·1	16 12	52
θ Ophiuchi ...	3·4	16 21	26
δ Sagittarii ...	2·8	16 31	50
ζ Sagittarii ...	2·7	17 11	50
λ Sagittarii ...	2·9	17 19	30
φ Sagittarii ...	3·3	17 20	38
τ Sagittarii ...	3·4	17 34	42
ο Sagittarii ...	2·1	17 36	35
α Piscis Australis	1·3	21 6	51

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Hydri ...	3·2	0 17	155
α Reticuli... ..	3·4	0 31	131
α Doradus ...	3·5	1 3	115
β Doradus ...	3·8	1 51	130
α Pictoris... ..	3·3	3 6	129
δ Volantis ...	4·0	3 32	141
ε Argus ...	1·7	4 44	124
β Argus ...	1·8	5 28	144
ι Argus ...	2·3	5 38	123
κ Argus ...	2·6	5 52	114
ν Velorum ...	3·0	5 57	119
q Carinæ ...	3·4	6 34	127
θ Argus ...	3·0	6 57	131
λ Centauri ...	3·3	7 50	131
δ Crucis ...	3·1	8 35	122
α Crucis ...	1·1	8 40	131
α Muscæ ...	2·9	8 48	143
γ Crucis ...	1·6	8 55	118
β Muscæ ...	3·3	8 56	141
β Crucis ...	1·5	9 6	124
β Centauri ...	0·9	10 20	125
α Circini ...	3·4	10 53	135
α Centauri ...	0·3	10 55	126
γ Triang. Aust.	3·1	11 26	142
β Triang. Aust.	3·0	12 5	132
α Triang. Aust.	1·9	12 56	144
ζ Aræ ...	3·1	13 21	117
β Aræ ...	2·8	13 48	116
η Pavonis... ..	3·6	13 54	135
δ Pavonis... ..	3·6	16 16	138
α Pavonis... ..	2·1	16 46	119
β Pavonis... ..	3·6	16 53	138
α Tucanæ... ..	2·9	18 34	127
ε Gruis ...	3·7	19 24	109
α Eridani ...	0·6	22 1	121
α Hydri ...	3·0	22 15	129

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Pavonis... ..	3·6	0 23	222
α Tucanæ... ..	2·9	1 52	233
ε <i>Gruis</i>	3·7	2 4	251
α Eridani	0·6	5 9	239
α Hydri	3·0	5 37	231
γ Hydri	3·2	7 21	205
α Reticuli... ..	3·4	7 55	229
α Doradus	3·5	8 1	245
β Doradus	3·8	9 15	230
α Pictoris... ..	3·3	10 28	231
δ Volantis	4·0	11 2	219
ε Argus	1·7	11 58	236
κ <i>Argus</i>	2·6	12 48	246
ι Argus	2·3	12 52	237
β Argus	1·8	12 56	216
ν Velorum	3·0	13 1	241
q Carinæ	3·4	13 54	233
θ Argus	3·0	14 23	226
λ Centauri	3·3	15 14	229
δ Crucis	3·1	15 47	238
γ Crucis	1·6	15 59	242
α Crucis	1·1	16 4	229
α Muscæ	2·9	16 16	217
β Crucis	1·5	16 20	236
β Muscæ	3·3	16 26	219
β Centauri	0·9	17 36	235
α Centauri	0·3	18 13	234
α Circini	3·4	18 19	225
γ Triang. Aust.	3·1	18 56	218
β Triang. Aust.	3·0	19 31	228
ζ Aræ	3·1	20 23	243
α Triang. Aust.	1·9	20 24	216
β Aræ	2·8	20 48	244
η Pavonis... ..	3·6	21 22	225
δ Pavonis... ..	3·6	23 46	222
α Pavonis... ..	2·1	23 52	241

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Piscis Australis	1·3	0 40	309
υ ⁴ Eridani	3·6	6 26	296
α Columbæ	2·7	7 49	296
ζ Canis Majoris	3·1	8 3	310
δ Canis Majoris	2·0	8 18	326
22 Canis Majoris	3·7	8 26	318
ε Canis Majoris	1·6	8 32	314
ξ <i>Argus</i>	3·5	8 38	336
ρ <i>Argus</i>	2·9	8 48	340
η Canis Majoris	2·4	9 0	313
α Mali	3·7	10 45	300
ξ Hydræ	3·7	13 24	305
π Hydræ	3·5	15 15	326
γ Scorpīi	3·4	15 56	333
θ <i>Centauri</i>	2·3	16 25	290
π Scorpīi	3·0	17 2	328
σ Scorpīi	3·1	17 18	331
α Scorpīi	1·2	17 36	327
τ Scorpīi	2·9	18 1	318
θ Ophiuchi	3·4	18 13	334
ε Scorpīi	2·4	18 57	296
λ Sagittarii	2·9	19 27	330
γ Sagittarii	3·1	19 50	308
δ Sagittarii	2·8	20 1	310
φ Sagittarii	3·3	20 2	322
σ Sagittarii	2·1	20 4	325
τ Sagittarii	3·4	20 30	318
ε Sagittarii	2·0	20 33	295
ζ Sagittarii	2·7	20 43	310

NE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
υ ⁴ Eridani ...	3·6	2 7	61
α Columbæ ...	2·7	3 29	61
β Columbæ ...	3·2	3 29	67
ζ Canis Majoris	3·1	4 37	47
ε Canis Majoris	1·6	5 25	42
22 Canis Majoris	3·7	5 38	37
η Canis Majoris	2·4	5 49	43
δ Canis Majoris	2·0	6 3	29
α Mali ...	3·7	6 39	57
ξ Hydræ ...	3·7	9 39	52
θ Centauri ...	2·3	11 42	67
π Hydræ ...	3·5	13 0	29
γ Scorpæ ...	3·4	14 17	19
ε Scorpæ ...	2·4	14 36	62
π Scorpæ ...	3·0	14 57	26
τ Scorpæ ...	2·9	15 9	38
α Scorpæ ...	1·2	15 23	28
σ Scorpæ ...	3·1	15 27	23
ε Sagittarii ...	2·0	16 9	62
γ Sagittarii ...	3·1	16 18	48
δ Sagittarii ...	2·8	16 37	47
θ Ophiuchi ...	3·4	16 37	18
ζ Sagittarii ...	2·7	17 17	47
φ Sagittarii ...	3·3	17 29	33
λ Sagittarii ...	2·9	17 32	24
τ Sagittarii ...	3·4	17 42	37
σ Sagittarii ...	2·1	17 46	30
α Piscis Australis	1·3	21 12	47

SE. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
γ Hydri ...	3·2	0 3	153
α Reticuli... ..	3·4	0 25	130
α Doradus... ..	3·5	1 0	114
β Doradus ...	3·8	1 46	129
α Pictoris... ..	3·3	3 1	128
δ Volantis ...	4·0	3 24	140
ε Argus ...	1·7	4 40	122
β Argus ...	1·8	5 19	143
ι Argus ...	2·3	5 34	122
ν Velorum ...	3·0	5 53	117
q Carinæ ...	3·4	6 29	126
θ Argus ...	3·0	6 51	132
λ Centauri ...	3·3	7 45	129
δ Crucis ...	3·1	8 31	121
α Crucis ...	1·1	8 35	129
α Muscæ ...	2·9	8 39	142
β Muscæ ...	3·3	8 49	140
γ Crucis ...	1·6	8 52	117
β Crucis ...	1·5	9 2	122
β Centauri ...	0·9	10 15	124
α Circini ...	3·4	10 46	134
α Centauri ...	0·3	10 50	125
γ Triang. Aust.	3·1	11 18	141
β Triang. Aust.	3·0	11 59	131
α Triang. Aust.	1·9	12 47	142
ζ Aræ ...	3·1	13 18	116
β Aræ ...	2·8	13 45	115
η Pavonis... ..	3·6	13 48	134
δ Pavonis... ..	3·6	16 9	137
α Pavonis... ..	2·1	16 42	118
β Pavonis... ..	3·6	16 46	137
α Tucanæ ...	2·9	18 29	126
ε Gruis ...	3·7	19 22	107
α Eridani ...	0·6	21 57	119
α Hydri ...	3·0	22 10	128

SW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
β Pavonis... ..	3·6	0 30	223
α Tucanæ... ..	2·9	1 57	234
ε Gruis	3·7	2 6	253
α Eridani	0·6	5 13	241
α Hydri	3·0	5 42	232
γ Hydri	3·2	7 35	207
α Reticuli... ..	3·4	8 1	230
α Doradus	3·5	8 4	246
β Doradus	3·8	9 20	231
α Pictoris... ..	3·3	10 33	232
δ Volantis	4·0	11 10	220
ε Argus	1·7	12 2	238
ι Argus	2·3	12 56	238
β Argus	1·8	13 5	217
ν Velorum	3·0	13 5	243
q Carinæ	3·4	13 59	234
θ Argus	3·0	14 29	228
λ Centauri	3·3	15 19	231
δ Crucis	3·1	15 51	239
γ Crucis	1·6	16 2	243
α Crucis	1·1	16 9	231
β Crucis	1·5	16 24	238
α Muscæ	2·9	16 25	218
β Muscæ	3·3	16 33	220
β Centauri	0·9	17 41	236
α Centauri	0·3	18 18	235
α Circini	3·4	18 26	226
γ Triang. Aust.	3·1	19 4	219
β Triang. Aust.	3·0	19 37	229
ζ Aræ	3·1	20 26	244
α Triang. Aust.	1·9	20 33	218
β Aræ	2·8	20 51	245
η Pavonis... ..	3·6	21 28	226
δ Pavonis... ..	3·6	23 53	223
α Pavonis... ..	2·1	23 56	242

NW. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Piscis Australis	1·3	0 34	313
υ' Eridani	3·6	6 23	299
α Columbæ	2·7	7 45	299
ζ Canis Majoris	3·1	7 57	313
δ Canis Majoris	2·0	8 7	331
β Columbæ	3·2	8 7	293
22 Canis Majoris	3·7	8 18	323
ε Canis Majoris	1·6	8 25	318
η Canis Majoris	2·4	8 53	317
α Mali	3·7	10 41	303
ξ Hydræ	3·7	13 19	308
π Hydræ	3·5	15 4	331
γ Scorpii	3·4	15 41	341
θ Centauri	2·3	16 22	293
π Scorpii	3·0	16 51	334
σ Scorpii	3·1	17 5	337
α Scorpii	1·2	17 25	332
τ Scorpii	2·9	17 53	322
θ Ophiuchi	3·4	17 57	342
ε Scorpii	2·4	18 54	298
λ Sagittarii	2·9	19 14	336
γ Sagittarii	3·1	19 44	312
φ Sagittarii	3·3	19 53	327
σ Sagittarii	2·1	19 54	330
δ Sagittarii	2·8	19 55	313
τ Sagittarii	3·4	20 22	323
ε Sagittarii	2·0	20 29	298
ζ Sagittarii	2·7	20 37	313

NE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
υ ⁴ Eridani ...	3·6	2 11	59
β Columbæ ...	3·2	3 32	64
α Columbæ ...	2·7	3 33	59
ζ Canis Majoris	3·1	4 44	43
ε Canis Majoris	1·6	5 33	38
22 Canis Majoris	3·7	5 48	32
η Canis Majoris	2·4	5 57	39
δ <i>Canis Majoris</i>	2·0	6 17	22
α Mali ...	3·7	6 43	55
ξ Hydræ ...	3·7	9 44	49
θ Centauri ...	2·3	11 46	65
π <i>Hydræ</i> ...	3·5	13 14	22
ε Scorp̄ii ...	2·4	14 40	59
π <i>Scorp̄ii</i> ...	3·0	15 14	18
τ Scorp̄ii ...	2·9	15 19	33
α <i>Scorp̄ii</i> ...	1·2	15 38	21
ε Sagittarii ...	2·0	16 12	60
γ Sagittarii ...	3·1	16 24	45
δ Sagittarii ...	2·8	16 44	43
ζ Sagittarii ...	2·7	17 24	43
φ Sagittarii ...	3·3	17 40	28
τ Sagittarii ...	3·4	17 52	32
σ <i>Sagittarii</i> ...	2·1	18 1	22
α Piscis Australis	1·3	21 19	44

SE. QUADRANT

Star.	Mag.	L. S. T.	Az.
		h. m.	°
α Reticuli... ..	3·4	0 19	129
α <i>Doradus</i>	3·5	0 56	113
β Doradus ...	3·8	1 40	128
α Pictoris... ..	3·3	2 55	127
δ Volantis ...	4·0	3 16	139
ε Argus ...	1·7	4 35	121
β Argus	1·8	5 10	142
ι Argus ...	2·3	5 30	121
ν Velorum ...	3·0	5 49	116
q Carinæ ...	3·4	6 24	125
θ Argus ...	3·0	6 44	131
λ Centauri ...	3·3	7 39	128
δ Crucis ...	3·1	8 27	120
α Crucis ...	1·1	8 29	128
α Muscæ ...	2·9	8 30	141
β Muscæ ...	3·3	8 41	139
γ Crucis ...	1·6	8 48	116
β Crucis ...	1·5	8 57	121
β Centauri ...	0·9	10 10	123
α Circini ...	3·4	10 39	133
α Centauri ...	0·3	10 45	124
γ Triang. Aust.	3·1	11 9	140
β Triang. Aust.	3·0	11 53	130
α Triang. Aust.	1·9	12 38	141
ζ Aræ ...	3·1	13 15	115
η Pavonis... ..	3·6	13 41	133
δ Pavonis... ..	3·6	16 2	136
α Pavonis... ..	2·1	16 39	117
β Pavonis... ..	3·6	16 39	136
α Tucanæ ...	2·9	18 24	125
ε <i>Gruis</i> ...	3·7	19 20	105
α Eridani... ..	0·6	21 53	118
α Hydri ...	3·0	22 4	127
γ Hydri ...	3·2	23 49	152

SW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
δ Pavonis... ..	3·6	0 0	224
β Pavonis... ..	3·6	0 37	224
α Tucanæ... ..	2·9	2 2	235
ε <i>Gruis</i>	3·7	2 8	255
α Eridani	0·6	5 17	242
α Hydri	3·0	5 48	233
γ Hydri	3·2	7 49	208
α Reticuli... ..	3·4	8 7	231
β Doradus	3·8	9 26	232
α Pictoris... ..	3·3	10 39	233
δ Volantis	4·0	11 18	221
ε Argus	1·7	12 7	239
ι Argus	2·3	13 0	239
ν Velorum	3·0	13 9	244
β Argus	1·8	13 14	218
q Carinæ	3·4	14 4	235
θ Argus	3·0	14 36	229
λ Centauri	3·3	15 25	232
δ Crucis	3·1	15 55	240
γ Crucis	1·6	16 6	244
α Crucis	1·1	16 15	232
β Crucis	1·5	16 29	239
α Muscæ	2·9	16 34	219
β Muscæ	3·3	16 41	221
β Centauri	0·9	17 46	237
α Centauri	0·3	18 23	236
α Circini	3·4	18 33	227
γ Triang. Aust.	3·1	19 13	220
β Triang. Aust.	3·0	19 43	230
ζ Aræ	3·1	20 29	245
α Triang. Aust.	1·9	20 42	219
η Pavonis... ..	3·6	21 35	227
α Pavonis... ..	2·1	23 59	243

NW. QUADRANT

Star.	Mag.	L. S.T.	Az.
		h. m.	°
α Piscis Australis	1·3	0 27	316
υ ⁴ Eridani	3·6	6 19	301
α Columbæ	2·7	7 41	301
ζ Canis Majoris	3·1	7 50	317
δ <i>Canis Majoris</i>	2·0	7 53	338
β Columbæ	3·2	8 4	296
22 Canis Majoris	3·7	8 8	328
ε Canis Majoris	1·6	8 17	322
η Canis Majoris	2·4	8 45	321
α Mali	3·7	10 37	305
ξ Hydræ	3·7	13 14	311
π <i>Hydræ</i>	3·5	14 50	338
θ Centauri	2·3	16 18	295
π <i>Scorpii</i>	3·0	16 34	342
α <i>Scorpii</i>	1·2	17 10	339
τ <i>Scorpii</i>	2·9	17 43	327
ε <i>Scorpii</i>	2·4	18 50	301
γ Sagittarii	3·1	19 38	315
σ <i>Sagittarii</i>	2·1	19 39	338
φ <i>Sagittarii</i>	3·3	19 42	332
δ <i>Sagittarii</i>	2·8	19 48	317
τ <i>Sagittarii</i>	3·4	20 12	328
ε <i>Sagittarii</i>	2·0	20 26	300
ζ <i>Sagittarii</i>	2·7	20 30	317

REFRACTION TABLES FOR ALTITUDE 60°.

I. Barometer in Inches. Thermometer Fahrenheit.

$33''\cdot6 + 1\cdot12 (B-30) - 0\cdot067 (t-50).$

Ther. ° F.	BAROMETER, INCHES.														
	24·0	24·5	25·0	25·5	26·0	26·5	27·0	27·5	28·0	28·5	29·0	29·5	30·0	30·5	31·0
	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
20	28·9	29·5	30·0	30·6	31·1	31·7	32·2	32·8	33·4	34·0	34·5	35·0	35·6	36·2	36·7
30	28·2	28·8	29·3	29·9	30·4	31·0	31·5	32·1	32·7	33·3	33·8	34·3	34·9	35·5	36·0
40	27·6	28·2	28·7	29·3	29·8	30·4	30·9	31·5	32·1	32·7	33·2	33·7	34·3	34·9	35·4
50	26·9	27·5	28·0	28·6	29·1	29·7	30·2	30·8	31·4	32·0	32·5	33·0	33·6	34·2	34·7
60	26·2	26·8	27·3	27·9	28·4	29·0	29·5	30·1	30·7	31·3	31·8	32·3	32·9	33·5	34·0
70	25·6	26·2	26·7	27·3	27·8	28·4	28·9	29·5	30·1	30·7	31·2	31·7	32·3	32·9	33·4
80	24·9	25·5	26·0	26·6	27·1	27·7	28·2	28·8	29·4	30·0	30·5	31·0	31·6	32·2	32·7
90	24·2	24·8	25·3	25·9	26·4	27·0	27·5	28·1	28·7	29·3	29·8	30·3	30·9	31·5	32·0
100	23·5	24·1	24·6	25·2	25·7	26·3	26·8	27·4	28·0	28·6	29·1	29·6	30·2	30·8	31·3
110	22·9	23·5	24·0	24·6	25·1	25·7	26·2	26·8	27·4	28·0	28·5	29·0	29·6	30·2	30·7

II. Barometer in Millimetres. Thermometer Centigrade.

$33''\cdot6 + 0\cdot044 (B-762) - 0\cdot121 (t-10).$

Ther. ° C.	BAROMETER, MILLIMETRES.														
	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780
	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
—10	30·6	31·1	31·5	32·0	32·4	32·8	33·3	33·7	34·2	34·6	35·0	35·5	35·9	36·4	36·8
— 5	30·0	30·5	30·9	31·4	31·8	32·2	32·7	33·1	33·6	34·0	34·4	34·9	35·3	35·8	36·2
0	29·4	29·9	30·3	30·8	31·2	31·6	32·1	32·5	33·0	33·4	33·8	34·3	34·7	35·2	35·6
5	28·8	29·3	29·7	30·2	30·6	31·0	31·5	31·9	32·4	32·8	33·2	33·7	34·1	34·6	35·0
10	28·2	28·7	29·1	29·6	30·0	30·4	30·9	31·3	31·8	32·2	32·6	33·1	33·5	34·0	34·4
15	27·6	28·1	28·5	29·0	29·4	29·8	30·3	30·7	31·2	31·6	32·0	32·5	32·9	33·4	33·8
20	27·0	27·5	27·9	28·4	28·8	29·2	29·7	30·1	30·6	31·0	31·4	31·9	32·3	32·8	33·2
25	26·4	26·9	27·3	27·8	28·2	28·6	29·1	29·5	30·0	30·4	30·8	31·3	31·7	32·2	32·6
30	25·8	26·3	26·7	27·2	27·6	28·0	28·5	28·9	29·4	29·8	30·2	30·7	31·1	31·6	32·0
35	25·2	25·7	26·1	26·6	27·0	27·4	27·9	28·3	28·8	29·2	29·6	30·1	30·5	31·0	31·4
40	24·6	25·1	25·5	26·0	26·4	26·8	27·3	27·7	28·2	28·6	29·0	29·5	29·9	30·4	30·8
45	24·0	24·5	24·9	25·4	25·8	26·2	26·7	27·1	27·6	28·0	28·4	28·9	29·3	29·8	30·2
50	23·3	23·8	24·2	24·7	25·1	25·5	26·0	26·4	26·9	27·3	27·7	28·2	28·6	29·1	29·5

REDUCTION OF ARC INTO TIME.

°	h. m.	°	h. m.	°	h. m.	'	s.
	m. s.						
0	0 0	60°	4 0	120°	8 0	0'	0'00
1	0 4	1	4 4	1	8 4	1	0'07
2	0 8	2	4 8	2	8 8	2	0'13
3	0 12	3	4 12	3	8 12	3	0'20
4	0 16	4	4 16	4	8 16	4	0'27
5	0 20	5	4 20	5	8 20	5	0'33
6	0 24	6	4 24	6	8 24	6	0'40
7	0 28	7	4 28	7	8 28	7	0'47
8	0 32	8	4 32	8	8 32	8	0'53
9	0 36	9	4 36	9	8 36	9	0'60
10	0 40	70	4 40	130	8 40	10	0'67
1	0 44	1	4 44	1	8 44	1	0'73
2	0 48	2	4 48	2	8 48	2	0'80
3	0 52	3	4 52	3	8 52	3	0'87
4	0 56	4	4 56	4	8 56	4	0'93
5	1 0	5	5 0	5	9 0	5	1'00
6	1 4	6	5 4	6	9 4	6	1'07
7	1 8	7	5 8	7	9 8	7	1'13
8	1 12	8	5 12	8	9 12	8	1'20
9	1 16	9	5 16	9	9 16	9	1'27
20	1 20	80	5 20	140	9 20	20	1'33
1	1 24	1	5 24	1	9 24	1	1'40
2	1 28	2	5 28	2	9 28	2	1'47
3	1 32	3	5 32	3	9 32	3	1'53
4	1 36	4	5 36	4	9 36	4	1'60
5	1 40	5	5 40	5	9 40	5	1'67
6	1 44	6	5 44	6	9 44	6	1'73
7	1 48	7	5 48	7	9 48	7	1'80
8	1 52	8	5 52	8	9 52	8	1'87
9	1 56	9	5 56	9	9 56	9	1'93
30	2 0	90	6 0	150	10 0	30	2'00
1	2 4	1	6 4	1	10 4	1	2'07
2	2 8	2	6 8	2	10 8	2	2'13
3	2 12	3	6 12	3	10 12	3	2'20
4	2 16	4	6 16	4	10 16	4	2'27
5	2 20	5	6 20	5	10 20	5	2'33
6	2 24	6	6 24	6	10 24	6	2'40
7	2 28	7	6 28	7	10 28	7	2'47
8	2 32	8	6 32	8	10 32	8	2'53
9	2 36	9	6 36	9	10 36	9	2'60
40	2 40	100	6 40	160	10 40	40	2'67
1	2 44	1	6 44	1	10 44	1	2'73
2	2 48	2	6 48	2	10 48	2	2'80
3	2 52	3	6 52	3	10 52	3	2'87
4	2 56	4	6 56	4	10 56	4	2'93
5	3 0	5	7 0	5	11 0	5	3'00
6	3 4	6	7 4	6	11 4	6	3'07
7	3 8	7	7 8	7	11 8	7	3'13
8	3 12	8	7 12	8	11 12	8	3'20
9	3 16	9	7 16	9	11 16	9	3'27
50	3 20	110	7 20	170	11 20	50	3'33
1	3 24	1	7 24	1	11 24	1	3'40
2	3 28	2	7 28	2	11 28	2	3'47
3	3 32	3	7 32	3	11 32	3	3'53
4	3 36	4	7 36	4	11 36	4	3'60
5	3 40	5	7 40	5	11 40	5	3'67
6	3 44	6	7 44	6	11 44	6	3'73
7	3 48	7	7 48	7	11 48	7	3'80
8	3 52	8	7 52	8	11 52	8	3'87
9	3 56	9	7 56	9	11 56	9	3'93



INDEX TO RIGHT ASCENSIONS OF STARS.

NAME.	R.A. h. m.	NAME.	R.A. h. m.	NAME.	R.A. h. m.	NAME.	R.A. h. m.	NAME.	R.A. h. m.
Andromedæ.		Arietis.		Cassiopeiæ.		Crateris.		Gruis.	
α	0 4	α	2 2	α	0 36	δ	11 15	α	22 3
β	1 5	β	1 50	β	0 5	Crucis.		β	22 38
γ	1 59	Aurigæ.		γ	0 52	α	12 22	γ	21 49
δ	0 35	α	5 11	δ	1 20	β	12 43	ε	22 44
μ	0 52	β	5 53	ε	1 48	γ	12 27	Herculis.	
Aquarii.		ε	4 56	Centauri.		δ	12 11	α	17 11
α	22 2	η	5 1	α	14 34	Cygni.		β	16 27
β	21 27	θ	5 54	β	13 58	α	20 39	γ	16 18
γ	22 17	ι	4 52	γ	12 37	β	19 27	δ	17 12
δ	22 50	Boötis.		δ	12 4	γ	20 19	ε	16 57
ε	20 43	α	14 12	ε	13 35	δ	19 42	ζ	16 38
λ	22 48	β	14 59	ζ	13 50	ε	20 43	η	16 40
c ²	23 5	γ	14 29	η	14 30	ζ	21 9	μ	17 43
Aquilæ.		δ	15 12	θ	14 2	Delphini.		π	17 12
α	19 47	ε	14 41	ι	13 16	α	20 36	Horologii.	
β	19 51	η	13 51	κ	14 54	ε	20 29	α	4 11
γ	19 42	ρ	14 28	λ	11 32	Doradus.		Hydræ.	
δ	19 21	Cancræ.		μ	13 45	α	4 32	α	9 24
ζ	19 2	β	8 12	Cephei.		β	5 33	γ	13 14
θ	20 7	Canis Majoris.		α	21 17	Draconis.		ε	8 42
λ	19 2	α	6 41	β	21 28	α	14 2	ζ	8 51
Aræ.		β	6 19	ζ	22 8	β	17 29	ν	10 46
α	17 25	δ	7 5	Ceti.		γ	17 55	ξ	11 29
β	17 18	ε	6 55	α	2 58	δ	19 13	π	14 2
ζ	16 52	ζ	6 17	β	0 39	ζ	17 9	Hydri.	
Argus.		η	7 21	γ	2 39	η	16 23	α	1 56
α	6 22	ο ²	7 0	δ	2 35	ι	15 23	γ	3 49
β	9 12	22	6 58	ζ	1 47	Eridani.		Indi.	
γ	8 7	Canis Minoris.		θ	1 20	α	1 35	α	20 32
δ	8 42	α	7 35	ι	0 15	β	5 4	Leonis.	
ε	8 21	β	7 23	Circini.		γ	3 54	α	10 4
ζ	8 1	Canum Venat.		α	14 36	δ	3 39	β	11 45
θ	10 40	12	12 52	Columbæ.		ε	3 29	γ ¹	10 15
ι	9 15	Capricorni.		α	5 37	θ	2 55	δ	11 10
κ	9 20	α ²	20 13	β	5 48	υ ⁴	4 15	ε	9 41
λ	9 5	β	20 16	Coronæ Borealis.		φ	2 14	θ	11 10
μ	10 43	δ	21 42	α	15 31	53	4 34	ο	9 37
ν	6 35	ζ	21 22	Corvi.		Geminorum.		ρ	10 28
ξ	7 46	Carinæ.		β	12 30	α	7 29	Leporis.	
π	7 14	q	10 14	γ	12 12	β	7 40	α	5 29
ρ	8 4			δ	12 26	γ	6 33	β	5 25
σ	7 27			ε	12 6	δ	7 15	ε	5 2
τ	6 48					ε	6 39	μ	5 9
ψ	9 27					μ	6 18	Libræ.	
						ξ	6 41	α	14 46
								β	15 13

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